

MINIMUM CELLAR ELEVATION

PAD #	MIN. CELLAR EL.	PAD #	MIN CELLAR EL.	PAD #	MIN CELLAR EL.
147	232.17	179	246.00	210	248.64
148	232.17	180	243.42	211	250.05
149	232.66	181	245.38	212	250.00
150	232.66	182	245.38	213	250.02
151	233.09	183	245.99	214	248.54
152	233.09	184	245.99	215	243.75
153	233.98	185	246.65	216	243.75
154	234.29	186	246.65	217	238.86
155	234.42	187	243.92	218	238.86
156	237.98	188	246.16	219	234.90
157	233.27	189	246.16	220	234.90
158	233.27	190	248.12	221	235.35
159	232.84	191	248.12	222	235.35
160	232.84	193	245.26	223	235.15
161	232.40	194	245.26	224	244.26
162	232.40	195	243.26	225	245.68
163	246.47	196	243.26	226	245.68
164	246.71	197	237.77	228	247.62
165	245.96	198	233.80	229	247.62
166	245.96	199	233.80	230	249.20
167	244.28	200	234.87	231	249.20
168	244.28	201	234.87	232	248.62
169	237.98	202	235.73	233	249.62
171	243.76	203	235.73	234	250.11
172	243.76	204	234.30	235	250.11
173	245.64	205	234.30	236	250.45
174	245.64	206	240.45		
176	246.17	207	240.45		
177	246.17	208	245.94		
178	246.00	209	245.94		

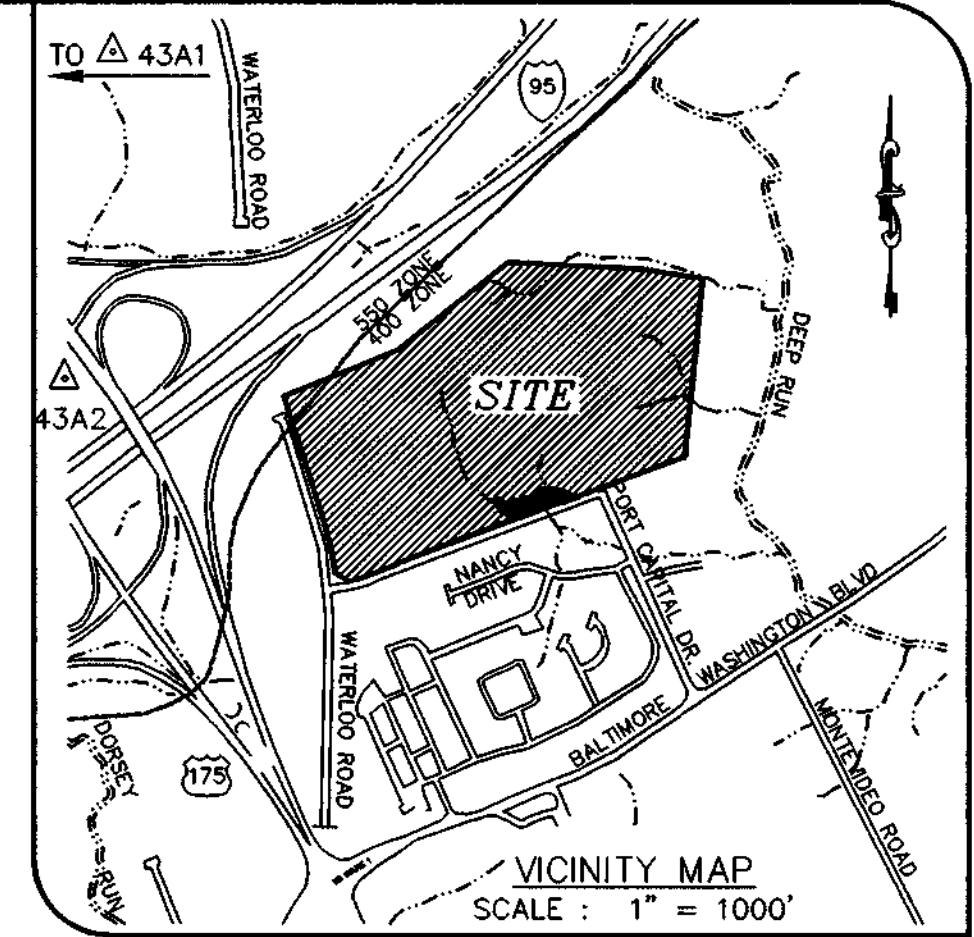
SITE DEVELOPMENT PLAN

NEW COLONY VILLAGE

PHASE 4

1st ELECTION DISTRICT

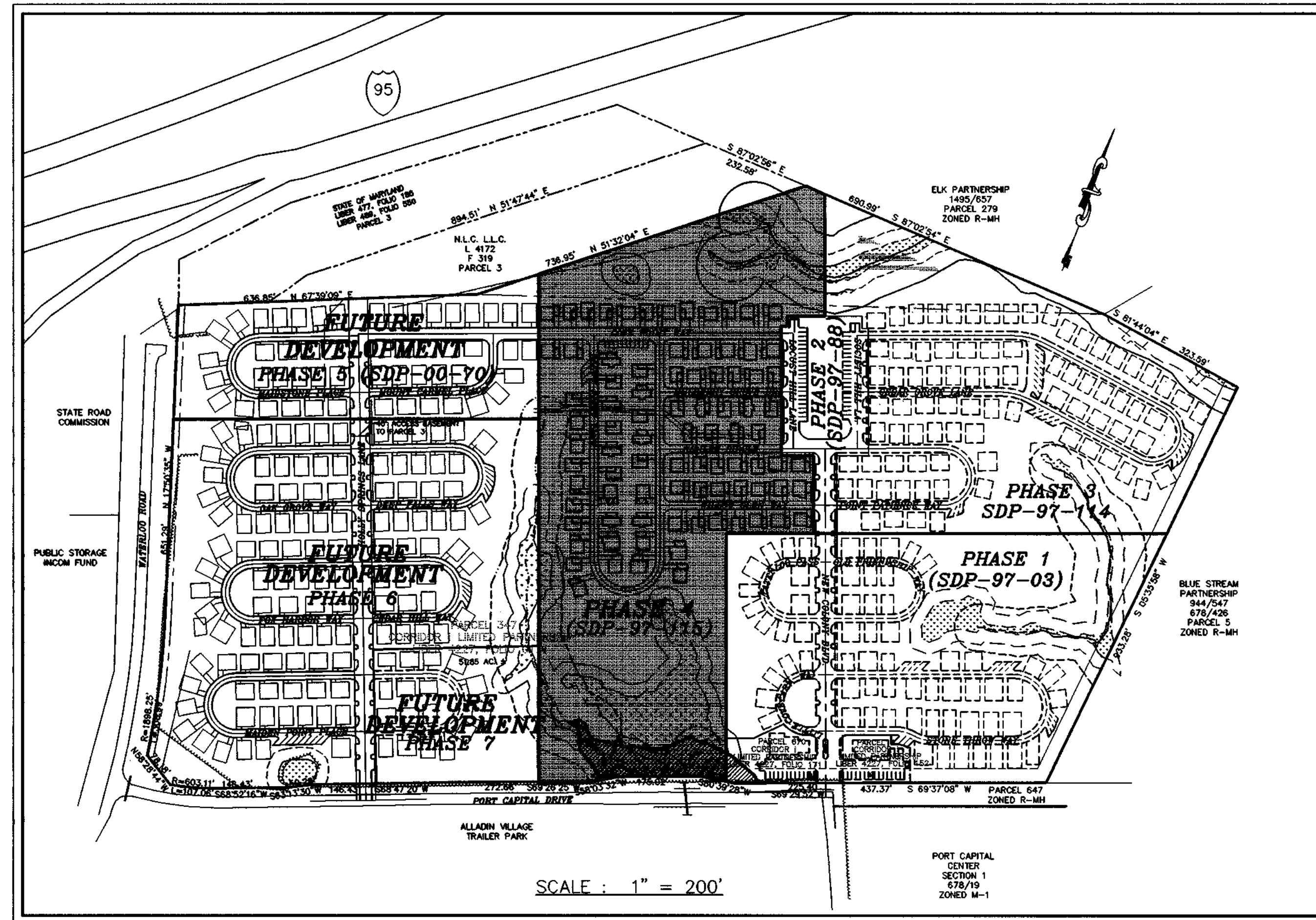
HOWARD COUNTY, MARYLAND



date	OCT. 2000	engineering		approval	
project	94044	illustration	SJD/MP	MMP	AS SHOWN RJH

ADDRESS CHART

PAD #	ADDRESS	PAD #	ADDRESS
147	7301 WILLOW GLEN WAY	194	7685 BLUFF POINT LANE
148	7305 WILLOW GLEN WAY	195	7681 BLUFF POINT LANE
149	7309 WILLOW GLEN WAY	196	7677 BLUFF POINT LANE
150	7313 WILLOW GLEN WAY	197	7673 BLUFF POINT LANE
151	7317 WILLOW GLEN WAY	198	7669 BLUFF POINT LANE
152	7321 WILLOW GLEN WAY	199	7665 BLUFF POINT LANE
153	7325 WILLOW GLEN WAY	200	7661 BLUFF POINT LANE
154	7660 BLUFF POINT LANE	201	7657 BLUFF POINT LANE
155	7656 BLUFF POINT LANE	202	7653 BLUFF POINT LANE
156	7324 WILLOW GLEN WAY	203	7633 BLUFF POINT LANE
157	7320 WILLOW GLEN WAY	204	7629 BLUFF POINT LANE
158	7316 WILLOW GLEN WAY	205	7625 BLUFF POINT LANE
159	7312 WILLOW GLEN WAY	206	7621 BLUFF POINT LANE
160	7308 WILLOW GLEN WAY	207	7617 BLUFF POINT LANE
161	7304 WILLOW GLEN WAY	208	7613 BLUFF POINT LANE
162	7300 WILLOW GLEN WAY	209	7609 BLUFF POINT LANE
163	7324 JUBILEE CIRCLE	210	7605 BLUFF POINT LANE
164	7320 JUBILEE CIRCLE	211	7601 BLUFF POINT LANE
165	7316 JUBILEE CIRCLE	212	7549 COVE POINT WAY
166	7312 JUBILEE CIRCLE	213	7545 COVE POINT WAY
167	7308 JUBILEE CIRCLE	214	7610 BLUFF POINT LANE
168	7304 JUBILEE CIRCLE	215	7614 BLUFF POINT LANE
169	7300 JUBILEE CIRCLE	216	7618 BLUFF POINT LANE
171	7305 JUBILEE CIRCLE	217	7622 BLUFF POINT LANE
172	7309 JUBILEE CIRCLE	218	7626 BLUFF POINT LANE
173	7313 JUBILEE CIRCLE	219	7630 BLUFF POINT LANE
174	7317 JUBILEE CIRCLE	220	7634 BLUFF POINT LANE
176	7401 MULBERRY GROVE DRIVE	221	7638 BLUFF POINT LANE
177	7405 MULBERRY GROVE DRIVE	222	7642 BLUFF POINT LANE
178	7409 MULBERRY GROVE DRIVE	223	7646 BLUFF POINT LANE
179	7413 MULBERRY GROVE DRIVE	224	7500 COVE POINT WAY
180	7417 MULBERRY GROVE DRIVE	225	7504 COVE POINT WAY
181	7420 MULBERRY GROVE DRIVE	226	7408 COVE POINT WAY
182	7416 MULBERRY GROVE DRIVE	228	7416 COVE POINT WAY
183	7412 MULBERRY GROVE DRIVE	229	7420 COVE POINT WAY
184	7408 MULBERRY GROVE DRIVE	230	7424 COVE POINT WAY
185	7404 MULBERRY GROVE DRIVE	231	7428 COVE POINT WAY
186	7400 MULBERRY GROVE DRIVE	232	7432 COVE POINT WAY
187	7501 COVE POINT WAY	233	7436 COVE POINT WAY
188	7505 COVE POINT WAY	234	7440 COVE POINT WAY
189	7509 COVE POINT WAY	235	7444 COVE POINT WAY
190	7513 COVE POINT WAY	236	7448 COVE POINT WAY
191	7517 COVE POINT WAY		
193	7689 BLUFF POINT LANE		



GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) DAYS PRIOR TO THE START OF WORK.
- ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- BOUNDARY AND TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN & MONUMENTED SURVEY ON OR ABOUT MARCH 1995 BY MILDENBERG, BOENDER & ASSOCIATES, INC., AND ON APPROVED SDP-96-20.
- HORIZONTAL AND VERTICAL DATUMS ARE RELATED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AS PROJECTED FROM HOWARD COUNTY CONTROL STATIONS NO. 43A1 AND 43A2.

STATION	43A2	STATION	43A1
NORTHING	550784.342654	NORTHING	552081.810532
EASTING	1372040.182420	EASTING	1370625.809590
ELEVATION	292.55	ELEVATION	306.79
- WATER AND SEWER TO BE PUBLIC. CONNECTION TO CONTRACT NO. 14-3627-D. SEE PUBLIC WATER & SEWER PLANS.
- FLOODPLAIN STUDY PREPARED BY MILDENBERG, BOENDER & ASSOCIATES, INC. ON JUNE 1995. APPROVED UNDER SDP-96-20.
- WETLAND DELINEATION PERFORMED BY HILLS-CARNES ASSOCIATES, INC. ON AUGUST 1996. APPROVED BY US ARMY CORPS OF ENGINEERS. REF. NO. 1996-01042-3.
- TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, INC. ON JUNE 15, 1995. APPROVED UNDER S-94-39.
- STORMWATER MANAGEMENT PROVIDED BY RETENTION POND UNDER SDP-96-20.
- EXISTING UTILITIES SHOWN HEREON ARE BASED ON HOWARD COUNTY AS-BUILT.
- DPZ REFERENCE NUMBERS:
S-94-39 APPROVED ON JULY 22, 1994.
WP-96-32, WAIVER TO SECTION 16.116 (c), WHICH PERTAINS TO GRADING WITHIN WETLANDS AND STREAM BUFFERS, APPROVED ON NOVEMBER 6, 1995.
SDP 96-20 MASS GRADING PLAN APPROVED ON MARCH 1996. SDP-97-03.
SDP 97-88, WP-98-101, WAIVER TO SECTIONS 16.103(1)(2) & 16.155(c)(2)(i) TO PERMIT THE ISSUANCE OF A GRADING PERMIT WITHOUT AN APPROVED SITE DEVELOPMENT PLAN TO CONSTRUCT THE MITIGATION BERM ALONG ROUTE 95, APPROVED ON AUGUST 6, 1998.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:

MISS UTILITY	1-800-257-7777
C&P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	313-4900
AT&T CABLE LOCATION DIVISION	393-3533
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTION DIVISION	313-1880
- REFUSE COLLECTION WILL BE PROVIDED BY PRIVATE CONTRACTORS.
- ALL RETAINING WALLS INDICATED ON THIS PLAN ARE LESS THAN 3.0' HEIGHT AND SHALL BE "KEYSTONE" OR EQUIVALENT.
- TREE PROTECTION MEASURES AND DETAILS ARE INDICATED ON SDP-96-20 AND SHEETS 2-5 AND 17 OF THIS PLAN.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION.
- FOREST CONSERVATION EASEMENT APPROVED UNDER SDP-96-20 HAS BEEN REVISED TO ACCOMMODATE THE UPDATED DESIGN. FOREST CONSERVATION EASEMENTS A (1.14AC), B (1.10AC), C (0.10AC), D (2.14AC) AND E (2.04) TOTAL TO BE 6.52 ACRES OF ON-SITE RETENTION. OFF-SITE REFORESTATION FOR THE REQUIRED 6.89 ACRES OF REFORESTATION IS BEING PROVIDED ON ROSEBAR PROPERTY. PRESERVATION PARCEL A. OFF-SITE REFORESTATION FOR A FEE-IN-LIEU OF REFORESTATION WILL BE PAID FOR THE AREAS REMOVED FROM THE EASEMENT. THE REFORESTATION DEFICIENCY FOR THE ENTIRE SITE TO BE ESTABLISHED AT THE LAST PHASE OF DEVELOPMENT AT WHICH TIME A REVISED EASEMENT WILL BE ESTABLISHED AND THE REQUIRED FEE PAID.
- SEDIMENT CONTROL APPROVED UNDER SDP-96-20
- ZONING AND SETBACK CRITERIA BASED ON R-MH WITH TRADITIONAL RESIDENTIAL NEIGHBORHOOD DESIGN.
- EXISTING CONTOURS SHOWN ARE BASED ON THE APPROVED SDP-96-20.
- NO DISTURBANCE CLEARING OR GRADING IS PERMITTED IN WETLAND, WETLAND & STREAM BUFFERS, FLOODPLAIN AND FOREST CONSERVATION EASEMENT EXCEPT AS SHOWN ON THIS PLAN.
- THE ENTIRE DEVELOPMENT EXCLUDING THE UNITS WILL BE OWNED BY (1) ENTITY. THE OPERATION AND MAINTENANCE OF THE COMMON FEATURES/ELEMENTS WILL BE BY THAT SAME ENTITY.
- WATER AND SEWER SERVICE TO THESE UNITS WILL BE GRANTED UNDER THE PROVISIONS OF SECTION 18.122B OF THE HOWARD COUNTY CODE. PUBLIC WATER AND PUBLIC SEWER ALLOCATION WILL BE GRANTED AT THE TIME OF THE ISSUANCE OF THE BUILDING PERMIT IF CAPACITY IS AVAILABLE AT THAT TIME.
- PLANS FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM HAVE BEEN APPROVED BY THE DEPARTMENT OF THE ENVIRONMENT AND THESE FACILITIES WILL BE AVAILABLE TO ALL UNITS OFFERED FOR SALE.
- HOWARD COUNTY STANDARD R-3.01-MODIFIED COMBINATION CURB AND GUTTER WILL BE USED, UNLESS OTHERWISE NOTED.
- NOISE STUDY PREPARED BY WILDMAN ENVIRONMENTAL SERVICES DATED JANUARY 1997. NOISE BARRIER CONSISTS OF EARTH BERM AND/OR AN 8.0'± HIGH WALL.
- ALL NOISE MITIGATION MEASURES SHOWN ON THIS PLAN WILL BE CONSTRUCTED IN THIS PHASE.
- STRUCTURAL DESIGN OF NOISE WALL PROVIDED BY HILLS CARNES ASSOCIATES, INC DATED JUNE 23, 1997.
- ALL SHC ARE 4" DIAMETER, TSHC ARE 6" DIAMETER, ALL WHC ARE 1" DIAMETER, THWC ARE 1-1/2" DIAMETER UNLESS OTHERWISE NOTED.
- PLAT OF FOREST CONSERVATION AND PUBLIC 100 YEAR FLOODPLAIN & UTILITY EASEMENT FOR NEW COLONY VILLAGE WAS RECORDED AS PLAT NO. 14327-14328 (F-01-168). THE OFF-SITE REFORESTATION HAS BEEN RECORDED AS REVISION P.17 FOR ROSEBAR PROPERTY, PRESERVATION PARCEL A UNDER PLAT NO. 14344-14345 (F-01-00).
- EXCEPT WHERE ONE PARKING SPACE IS INDICATED, ALL UNITS ARE TO BE PLACED AT REAR OF THE GENERIC BOX WHERE 18 FOOT MINIMUM DRIVEWAY IS NOT ALREADY PROVIDED BETWEEN GENERIC BOX AND PRIVATE ROAD. SEE PARKING LAYOUT DETAIL ON SHEET 10 OF 18.

SITE TABULATION

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	ENTIRE SITE
AREA	9.80 Ac.	1.44 Ac.	9.36 Ac.	13.16 Ac.	14.17 Ac.	4.68 Ac.	52.62 Ac.
ZONING	R-MH	R-MH	R-MH	R-MH	R-MH	R-MH	R-MH
PROPOSED USE	MOBILE HOME PARK	RECREATION CENTER	MOBILE HOME PARK	MOBILE HOME PARK	MOBILE HOME PARK	MOBILE HOME PARK	MOBILE HOME PARK
AREA OF 100 YEAR FLOODPLAIN	0.05 Ac.	0	0	0.5 Ac.	0	0	0.55 Ac.
AREA OF 25% OR GREATER SLOPES	0	0	0.04 Ac.	0	0	0	0.04 Ac.
NET AREA	9.75 Ac.	1.44 Ac.	9.32 Ac.	12.66 Ac.	14.17 Ac.	4.68 Ac.	52.02 Ac.
NO. OF UNITS ALLOWED	78	11	75	101	113	38	416 UNITS
NO. OF UNITS PROPOSED	63	0	83	86	129	55	416 UNITS
OPEN SPACE REQUIRED	2.45 Ac.	0	2.3 Ac.	3.29 Ac.	3.5 Ac.	1.17 Ac.	25% GROSS AREA=13.15 Ac.
OPEN SPACE PROVIDED	2.61 Ac.	0	2.83 Ac.	6.52 Ac.	4.18 Ac.	0.39 Ac.	19.53 Ac.
RECREATION OPEN SPACE REQUIRED	0.25 Ac.	0	0.34 Ac.	0.37 Ac.	0.49 Ac.	0.21 Ac.	1.75 SF/UNIT=1.67AC.
RECREATION OPEN SPACE PROVIDED	0.50 Ac.	0	0.48 Ac.	0.80 Ac.	0.65 Ac.	0.12 Ac.	2.58 Ac.
OPEN SPA. DEVOTED TO SQUARE & SMALL PARKS REQUIRED	0.49 Ac.	0	0.56 Ac.	0.66 Ac.	0.70 Ac.	0.08 Ac.	20% OPEN SPACE=2.63 Ac.
OPEN SPA. DEVOTED TO SQUARE & SMALL PARKS PROVIDED	0.50 Ac.	0	0.46 Ac.	0.80 Ac.	0.65 Ac.	0.12 Ac.	2.63 Ac.
RESIDENTIAL PARKING SPACES REQUIRED	126	0	166	172	258	110	2 SPA/UNIT = 832
RESIDENTIAL PARKING SPACES PROVIDED	132	19	174	173	269	107	874
PARKING SPACES FOR SWIMMING POOL REQUIRED				13			
PARKING SPACES FOR SWIMMING POOL PROVIDED				13			
PARKING SPACES FOR REC. CENTER REQUIRED				29			
PARKING SPACES FOR REC. CENTER PROVIDED				29			

TOTAL AREA OF SITE INCLUDES PARCELS 670, 4, AND 347.
AREA OF PARCEL 4 = 0.31 AC., AREA OF PARCEL 670 = 0.46 AC., AREA OF PARCEL 347 = 51.85 AC.

OWNER/DEVELOPER
RTE 175 LLC
C/O ROCK REALTY, INC.
25 MAIN STREET
REISTERTOWN, MARYLAND 21136
(410) 526-4030

NOTE THIS SHEET SUPERSEDED PREVIOUSLY APPROVED SHEET 1 OF 18

PERMIT INFORMATION BLOCK

SUBDIVISION NAME	NEW COLONY VILLAGE	SECTION/AREA	PHASE 4	PARCEL	347, 670 & 4
LIBER/FOUO	4227/171	BLOCK(S)	3	ZONING	R-MH
WATER CODE	B01	SEWER CODE	2420000	TAX MAP NO.	43
				ELECTION DISTRICT	1st
				CENSUS TRACT	8012



SHEET INDEX

1	TITLE SHEET
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3	GRADING AND SITE PLAN
4	GRADING AND SITE PLAN
5	SEDIMENT CONTROL NOTES AND DETAILS
6	ROAD PROFILES
7	ROAD PROFILES
8	STORM DRAIN PROFILES
9	DRAINAGE AREA MAP
10	CONSTRUCTION DETAILS
11	LANDSCAPE PLAN
12	LANDSCAPE PLAN
13	LANDSCAPE PLAN
14	TRAFFIC CIRCULATION
15	NOISE BARRIER, OFF-SITE GRADING
16	PARKING LAYOUT
17	FOREST CONSERVATION PLAN
18	OFF-SITE REFORESTATION PLAN

APPROVED: DEPARTMENT OF PLANNING AND ZONING

M. J. Hamilton 12/1/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE

C. Hamilton 10/20/00
CHIEF, DIVISION OF LAND DEVELOPMENT, DATE

Frank Smith 12/2/00
DIRECTOR, DATE

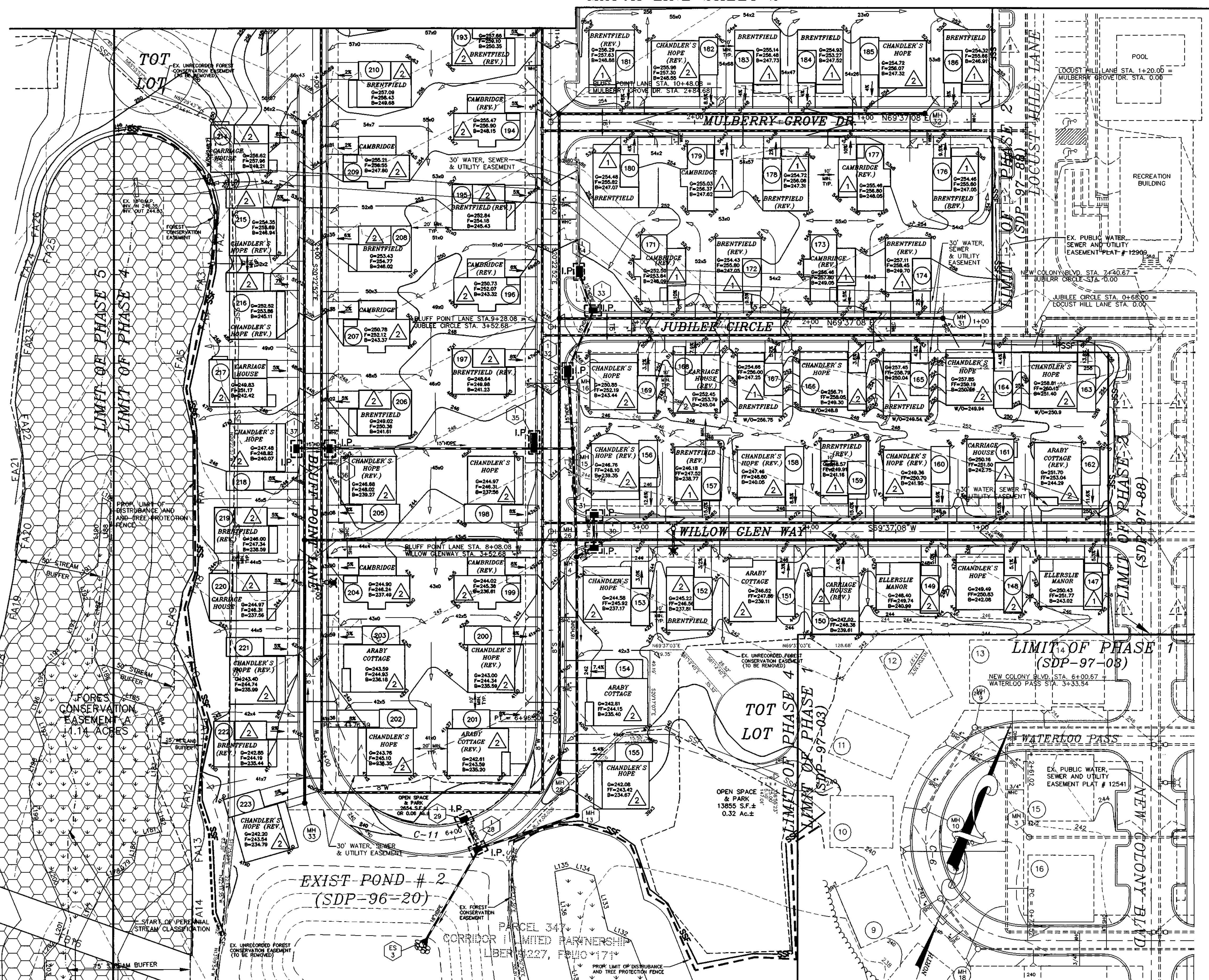
date		description	
project	94044	revision	
illustration	SJD/MP	scale	AS SHOWN RJH
no.			

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
1ST ELECTION DISTRICT
HOWARD COUNTY, MD
REVISED TITLE SHEET

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0286 Bldg. (301) 621-5521 Wash. (410) 997-0286 Fax.

MATCH LINE SHEET 2

NOTE: UNITS: 214-223 WILL HAVE DRYWELLS
SEE DETAIL ON SHEET 10 OF 18.



LEGEND

- 2 GENERIC BOX NUMBER
- 39 UNIT NUMBER
- 3 NO OF PARKING SPACES
- 3 NO OF PARKING SPACES ASSIGNED FOR THIS PHASE
- WETLANDS
- NEW LIMIT OF DISTURBANCE
- PRIOR LIMIT OF DISTURBANCE
- SSF PREVIOUSLY INSTALLED SUPER SILT FENCE
- SSF SUPER SUPER SILT FENCE
- I.P. INLET PROTECTION

NOTE: EXISTING EROSION AND SEDIMENT CONTROL MEASURES APPROVED UNDER SDP-96-20 ARE TO BE UTILIZED FOR THIS PROJECT.

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *Mark L. Lewy* DATE: 11/28/00
 PRINTED NAME OF DEVELOPER: MARK L. LEWY

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Jacob Hikmat* DATE: 11/28/00
 PRINTED NAME OF ENGINEER: R. JACOB HIKMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *J. H. Wayfield* DATE: 12-1-00
 PRINTED NAME OF ENGINEER: J. H. WAYFIELD

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *John R. Robertson* DATE: 12-1-00
 PRINTED NAME OF ENGINEER: JOHN R. ROBERTSON

APPROVED, DEPARTMENT OF PLANNING AND ZONING

Signature: *John D. Williams* DATE: 12/1/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 Signature: *Conrad Hamble* DATE: 12/2/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 Signature: *John J. Smith* DATE: 12/27/00
 DIRECTOR



OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERTOWN, MARYLAND 21136
 (410) 526-4030

MATCH LINE SHEET - 4

NOTE: THIS SHEET SUPERSEDED PREVIOUSLY APPROVED SHEET 3 OF 18

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-11	70.00'	219.91'	<infinite>	140.00'	S69°37'08" W	180°00'00"

Project	94044	date	OCT.2000
Illustration	MMP	engineering	MMP
scale	1" = 30'	approval	R/JH

no.	description	date

TAX MAP 43, PARCEL 347, 670 & 4
 NEW COLONY VILLAGE - PHASE 4
 HOWARD COUNTY, MARYLAND
 1ST ELECTION DISTRICT
 REVISED GRADING AND SITE PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax.

WETLAND TABULATION CHART					
LINE	LENGTH	BEARING	LINE	LENGTH	BEARING
L120	26.71	N34°30'40"W	L184	15.13	N38°59'46"W
L121	35.27	N73°06'58"W	L185	26.49	S88°44'41"W
L122	14.89	N44°25'18"W	L186	24.07	N42°47'34"W
L123	9.34	N15°48'23"W	L187	56.93	N11°43'49"W
L124	11.89	N59°17'10"W	L188	34.24	N19°03'42"W
L125	23.55	N08°39'30"W	L189	5.37	N80°18'42"W
L126	25.66	N39°16'02"W	L190	40.27	S16°30'03"E
L127	40.38	N51°17'24"W	L191	15.07	S32°27'40"W
L128	29.02	N00°38'59"E	L192	15.53	S33°08'15"E
L129	15.10	N17°45'49"W	L193	28.83	S00°33'52"W
L130	11.49	N15°55'04"W	L194	16.27	S30°51'18"W
L131	84.80	N42°00'34"W	L195	16.11	S15°41'30"E
L132	14.88	N86°41'20"W	L196	14.28	S00°20'55"W
L133	33.14	N34°35'08"W	L197	18.35	S37°29'48"E
L134	14.78	S86°50'47"W	L198	25.46	S00°10'47"E
L135	9.18	S86°41'13"W	L199	31.75	S25°27'36"E
L136	44.50	S27°32'42"E	L200	49.45	S43°03'00"E
L137	38.30	S33°59'48"E	L201	14.48	S02°31'48"E
L138	48.16	S58°32'22"E	L202	12.99	S21°03'17"W
L139	24.52	S03°28'09"E	L203	11.54	S21°55'57"E
L140	15.82	S36°13'43"W	L204	17.67	S38°10'49"E
L141	47.65	S21°40'27"W	L205	45.71	S08°01'50"E
L142	8.72	S03°51'14"W	L206	11.50	S29°52'31"E
L143	12.30	S34°28'55"W	L207	28.23	S18°29'50"W
L144	8.26	N74°40'38"W	L208	9.84	S42°44'49"W
L145	23.75	S32°49'20"W	L209	14.23	S07°02'25"W
L146	26.25	S73°03'10"W	L210	57.01	N37°47'21"E
L147	21.18	N81°22'46"W	L211	19.42	N14°13'16"E
L148	32.30	S84°43'29"W	L212	51.46	S42°24'21"E
L149	11.28	N09°37'42"W	L213	17.26	S29°04'53"E
L150	26.06	N86°24'18"W	L214	9.33	S141°33'00"W
L151	43.38	S75°38'16"W	L215	18.99	N29°40'45"W
L152	10.77	S89°29'16"W	L216	12.14	S09°20'50"W
L153	20.41	S19°46'00"W	L217	27.35	S66°23'05"E
L154	21.47	S59°57'34"E	L218	13.83	S83°19'07"E
L155	20.22	N49°22'50"E	L219	15.21	S38°33'49"E
L156	46.23	S48°28'02"E	L220	29.56	N82°43'23"E
L157	23.09	N71°18'10"W	L221	14.00	S18°29'50"W
L158	15.77	S42°11'01"E	L222	17.55	S60°31'25"E
L159	8.67	S00°47'12"E	L223	28.01	S83°29'51"E
L160	18.02	S85°27'20"E	L224	64.65	S51°39'42"E
L161	42.42	S59°51'44"E	L225	5.72	N72°25'14"E
L162	36.60	S00°03'48"E	L226	20.15	N30°03'18"E
L163	23.48	S08°34'25"W	L227	19.50	S68°27'29"E
L164	31.25	N50°41'41"W	L228	26.59	N89°36'12"E
L165	19.01	N33°19'46"W	L229	4.03	N18°59'24"E
L166	13.92	N89°45'20"W	L230	24.07	N89°30'11"W
L167	21.02	N43°53'36"W	L231	9.99	N19°46'47"W
L168	24.69	N68°57'06"W	L232	28.75	S85°57'56"W
L169	13.68	S35°47'28"W	L233	52.10	N08°41'34"E
L170	18.71	N70°22'54"W	L234	14.35	S87°25'47"E
L171	14.83	S50°41'41"W	L235	26.59	N71°50'02"E
L172	26.80	N59°13'07"W	L236	32.45	S75°28'57"E
L173	19.36	N05°18'54"W	L237	15.84	N75°34'52"E
L174	51.01	N36°38'23"W	L238	25.77	S87°08'44"E
L175	81.57	N47°21'50"W	L239	24.31	S71°16'17"E
L176	56.31	N20°29'40"W	L240	22.67	S75°01'10"E
L177	44.39	N05°41'32"E	L241	14.35	S10°00'38"E
L178	6.56	N57°41'41"W	L242	5.84	N68°19'47"E
L179	11.69	N27°53'30"E	L243	33.79	N12°20'43"E
L180	14.76	N10°24'13"W	L244	51.35	N09°01'01"E
L181	13.93	N57°25'28"E	L245	20.08	S63°02'27"E
L182	14.89	N37°12'41"W	L246	37.83	S76°15'25"E
L183	44.70	N15°05'00"W			

FOREST CONSERVATION					
LINE	BEARING & DISTANCE	LINE	BEARING & DISTANCE	LINE	BEARING & DISTANCE
FA1	R=50.00; L=157.08; T=MINUTE; A=1800/000	FA18	S08°08'12"W 13.89	FA35	S11°44'17"E 35.89
FA2	S15°42'36"E 22.78	FA19	S10°28'02"W 14.64	FA36	S82°42'09"E 13.14
FA3	S07°58'25"E 21.50	FA20	S44°32'15"E 32.34	FA37	S20°28'38"E 80.08
FA4	S00°28'24"E 18.84	FA21	S21°42'03"E 43.10	FA38	S20°28'38"E 80.08
FA5	S11°44'17"E 35.89	FA22	S11°28'31"E 35.36	FA39	S08°08'12"W 13.89
FA6	S33°00'00"E 26.31	FA23	S24°57'30"E 27.70	FA40	S10°28'02"W 14.64
FA7	S20°28'38"E 80.08	FA24	S19°59'17"E 49.22	FA41	S24°57'30"E 27.70
FA8	S08°08'12"W 13.89	FA25	S89°21'22"W 194.20	FA42	S11°28'31"E 35.36
FA9	S10°28'02"W 14.64	FA26	N06°22'32"E 52.67	FA43	S32°49'20"W 28.73
FA10	S44°32'15"E 32.34	FA27	N25°20'12"W 51.13	FA44	S08°08'12"W 13.89
FA11	S21°42'03"E 43.10	FA28	N00°30'57"W 44.00	FA45	S54°47'39"W 4.11
FA12	S11°28'31"E 35.36	FA29	N09°59'36"W 30.17	FA46	N41°11'40"W 31.18
FA13	S24°57'30"E 27.70	FA30	N12°30'00"W 50.45	FA47	S82°42'09"E 13.14
FA14	S19°59'17"E 49.22	FA31	N23°51'56"W 21.84	FA48	N80°31'55"E 36.86
FA15	S89°21'22"W 194.20	FA32	N28°41'21"W 30.58	FA49	S54°47'39"W 4.11
FA16	N06°22'32"E 52.67	FA33	N143°01'36"W 70.19	FA50	S10°28'02"W 14.64
FA17	N25°20'12"W 51.13	FA34	N00°28'54"W 18.84	FA51	S24°57'30"E 27.70
FA18	S08°08'12"W 13.89	FA35	N07°36'24"W 8.19	FA52	S11°28'31"E 35.36
FA19	S10°28'02"W 14.64	FA36	N15°42'36"E 15.99	FA53	S32°49'20"W 28.73
FA20	S44°32'15"E 32.34	FA37	N35°36'31"W 41.61	FA54	S08°08'12"W 13.89
FA21	S21°42'03"E 43.10	FA38	N44°21'03"W 40.90	FA55	S54°47'39"W 4.11
FA22	S11°28'31"E 35.36	FA39	N88°14'47"W 28.21	FA56	N41°11'40"W 31.18
FA23	S24°57'30"E 27.70	FA40	N85°20'10"W 23.88	FA57	S82°42'09"E 13.14
FA24	S19°59'17"E 49.22	FA41	N57°41'11"W 34.83	FA58	N80°31'55"E 36.86
FA25	S89°21'22"W 194.20	FA42	N34°43'38"W 38.48	FA59	S54°47'39"W 4.11
FA26	N06°22'32"E 52.67	FA43	N3444'33"W 23.64	FA60	S10°28'02"W 14.64
FA27	N25°20'12"W 51.13	FA44	N88°14'47"W 28.21	FA61	S24°57'30"E 27.70
FA28	N00°30'57"W 44.00	FA45	N85°20'10"W 23.88	FA62	S11°28'31"E 35.36
FA29	N09°59'36"W 30.17	FA46	N57°41'11"W 34.83	FA63	S32°49'20"W 28.73
FA30	N12°30'00"W 50.45	FA47	N84°23'38"W 38.48	FA64	S08°08'12"W 13.89
FA31	N23°51'56"W 21.84	FA48	N3444'33"W 23.64	FA65	S54°47'39"W 4.11
FA32	N28°41'21"W 30.58	FA49	N88°14'47"W 28.21	FA66	N41°11'40"W 31.18
FA33	N143°01'36"W 70.19	FA50	N85°20'10"W 23.88	FA67	S82°42'09"E 13.14
FA34	N00°28'54"W 18.84	FA51	N57°41'11"W 34.83	FA68	N80°31'55"E 36.86
FA35	N07°36'24"W 8.19	FA52	N34°43'38"W 38.48	FA69	S54°47'39"W 4.11
FA36	N15°42'36"E 15.99	FA53	N3444'33"W 23.64	FA70	S10°28'02"W 14.64
FA37	N35°36'31"W 41.61	FA54	N88°14'47"W 28.21	FA71	S24°57'30"E 27.70
FA38	N44°21'03"W 40.90	FA55	N85°20'10"W 23.88	FA72	S11°28'31"E 35.36
FA39	N88°14'47"W 28.21	FA56	N57°41'11"W 34.83	FA73	S32°49'20"W 28.73
FA40	N85°20'10"W 23.88	FA57	N84°23'38"W 38.48	FA74	S08°08'12"W 13.89
FA41	N57°41'11"W 34.83	FA58	N3444'33"W 23.64	FA75	S54°47'39"W 4.11
FA42	N34°43'38"W 38.48	FA59	N88°14'47"W 28.21	FA76	N41°11'40"W 31.18
FA43	N3444'33"W 23.64	FA60	N85°20'10"W 23.88	FA77	S82°42'09"E 13.14
FA44	N88°14'47"W 28.21	FA61	N57°41'11"W 34.83	FA78	N80°31'55"E 36.86
FA45	N85°20'10"W 23.88	FA62	N34°43'38"W 38.48	FA79	S54°47'39"W 4.11
FA46	N57°41'11"W 34.83	FA63	N3444'33"W 23.64	FA80	S10°28'02"W 14.64
FA47	N84°23'38"W 38.48	FA64	N88°14'47"W 28.21	FA81	S24°57'30"E 27.70
FA48	N3444'33"W 23.64	FA65	N85°20'10"W 23.88	FA82	S11°28'31"E 35.36
FA49	N88°14'47"W 28.21	FA66	N57°41'11"W 34.83	FA83	S32°49'20"W 28.73
FA50	N85°20'10"W 23.88	FA67	N84°23'38"W 38.48	FA84	S08°08'12"W 13.89
FA51	N57°41'11"W 34.83	FA68	N3444'33"W 23.64	FA85	S54°47'39"W 4.11
FA52	N34°43'38"W 38.48	FA69	N88°14'47"W 28.21	FA86	N41°11'40"W 31.18
FA53	N3444'33"W 23.64	FA70	N85°20'10"W 23.88	FA87	S82°42'09"E 13.14
FA54	N88°14'47"W 28.21	FA71	N57°41'11"W 34.83	FA88	N80°31'55"E 36.86
FA55	N85°20'10"W 23.88	FA72	N34°43'38"W 38.48	FA89	S54°47'39"W 4.11
FA56	N57°41'11"W 34.83	FA73	N3444'33"W 23.64	FA90	S10°28'02"W 14.64
FA57	N84°23'38"W 38.48	FA74	N88°14'47"W 28.21	FA91	S24°57'30"E 27.70
FA58	N3444'33"W 23.64	FA75	N85°20'10"W 23.88	FA92	S11°28'31"E 35.36
FA59	N88°14'47"W 28.21	FA76	N57°41'11"W 34.83	FA93	S32°49'20"W 28.73
FA60	N85°20'10"W 23.88	FA77	N84°23'38"W 38.48	FA94	S08°08'12"W 13.89
FA61	N57°41'11"W 34.83	FA78	N3444'33"W 23.64	FA95	S54°47'39"W 4.11
FA62	N34°43'38"W 38.48	FA79	N88°14'47"W 28.21	FA96	N41°11'40"W 31.18
FA63	N3444'33"W 23.64	FA80	N85°20'10"W 23.88	FA97	S82°42'09"E 13.14
FA64	N88°14'47"W 28.21	FA81	N57°41'11"W 34.83	FA98	N80°31'55"E 36.86
FA65	N85°20'10"W 23.88	FA82	N34°43'38"W 38.48	FA99	S54°47'39"W 4.11
FA66	N57°41'11"W 34.83	FA83	N3444'33"W 23.64	FA100	S10°28'02"W 14.64
FA67	N84°23'38"W 38.48	FA84	N88°14'47"W 28.21		
FA68	N3444'33"W 23.64	FA85	N85°20'10"W 23.88		
FA69	N88°14'47"W 28.21	FA86	N57°41'11"W 34.83		
FA70	N85°20'10"W 23.88	FA87	N84°23'38"W 38.48		
FA71	N57°41'11"W 34.83	FA88	N3444'33"W 23.64		
FA72	N34°43'38"W 38.48	FA89	N88°14'47"W 28.21		
FA73	N3444'33"W 23.64	FA90	N85°20'10"W 23.88		
FA74	N88°14'47"W 28.21	FA91	N57°41'11"W 34.83		
FA75	N85°20'10"W 23.88	FA92	N34°43'38"W 38.48		
FA76	N57°41'11"W 34.83	FA93	N3444'33"W 23.64		
FA77	N84°23'38"W 38.48	FA94	N88°14'47"W 28.21		
FA78	N3444'33"W 23.64	FA95	N85°20'10"W 23.88		
FA79	N88°14'47"W 28.21	FA96	N57°41'11"W 34.83		
FA80	N85°20'10"W 23.88	FA97	N84°23'38"W 38.48		
FA81	N57°41'11"W 34.83	FA98	N3444'33"W 23.64		
FA82	N34°43'38"W 38.48	FA99	N88°14'47"W 28.21		
FA83	N3444'33"W 23.64	FA100	N85°20'10"W 23.88		

FLOODPLAIN			
LINE	BEARING & DISTANCE	LINE	
F1	S58°38'20"E 74.17	F11	S20°28'02"W 14.64
F2	S41°32'51"E 10.22	F12	S28°35'12"E 12.83
F3	N80°14'31"W 43.36	F13	N54°39'49"W 4.18
F4	S85°37'43"E 18.28	F14	N15°53'51"E 41.81
F5	N48°47'52"E 14.95	F15	S30°44'39"W 14.30
F6	N78°29'58"W 16.03	F16	N55°13'17"W 17.11
F7	N41°11'40"W 31.18	F17	S89°42'58"W 8.47
F8	S82°42'09"E 13.14	F18	S53°32'30"W 28.73
F9	N80°31'55"E 36.86	F19	S46°46'33"W 48.87
F10	S54°47'39"W 4.11	F20	N83°44'36"E 33.84
F11	S20°28'02"W 14.64</		

HOWARD SOIL CONSERVATION DISTRICT

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WHEAT FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

TEMPORARY DUST CONTROL MEASURES

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
- VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
- TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS APCED ABOUT 12" APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
- CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

HOWARD SOIL CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE:	13.16 ± ACRES
AREA DISTURBED:	7.34 ± ACRES
AREA TO BE ROOFED OR PAVED:	3.61 ± ACRES
AREA TO BE VEGETATIVELY STABILIZED:	3.73 ± ACRES
TOTAL CUT:	1000 CU. YDS.
TOTAL FILL:	1000 CU. YDS.
TOTAL WASTE/BORROW AREA LOCATION:	
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERMETER EROSION AND SEDIMENT CONTROL, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE (1 DAY).
- INSTALL TREE PROTECTION FENCE AS INDICATED (3 DAYS).
- CLEAR AND GRUB AREAS FOR SEDIMENT CONTROL FEATURES. CONSTRUCT SILT FENCE WHERE INDICATED (2 DAYS).
- INSTALL 36" RCP CULVERT, HW-1 TO ES-1, STABILIZE DISTURBED AREA AT HW-1 WITH EROSIONCONTROL MATTING, SCS STD. G-22-2.
- CLEAR SITE PER LIMIT INDICATED (1 DAY).
- CONSTRUCT SITE TO GRADES INDICATED ON THE PLANS AND CONSTRUCT STORM DRAIN SYSTEM AND UTILITIES. CONSTRUCT INLET PROTECTION PER DETAIL (15 DAYS).
- STABILIZE ALL RIGHT OF WAY AREAS WITH PERMANENT SEEDING (3 DAYS).
- INSPECT ALL SEDIMENT CONTROL DEVICES DAILY AND AFTER EACH RAINFALL, REPAIR AS NECESSARY.
- WHEN ALL CONTRIBUTING AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN PERMANENTLY STABILIZED, AND AFTER THE APPROVAL OF THE INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES, GRADE AREAS DISTURBED, AND PROVIDE PERMANENT SEED AND MULCH (2 DAYS).
- CONTRACTOR SHALL REMOVE SEDIMENT AND FLUSH STORM DRAIN SYSTEM AT END OF CONSTRUCTION PERIOD (1 DAY).
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - 7 CALENDAR DAYS FOR ALL PERMETER SLOPES AND GREATER THAN 3:1.
 - 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS ON THE PROJECT SITE.

NOTE:

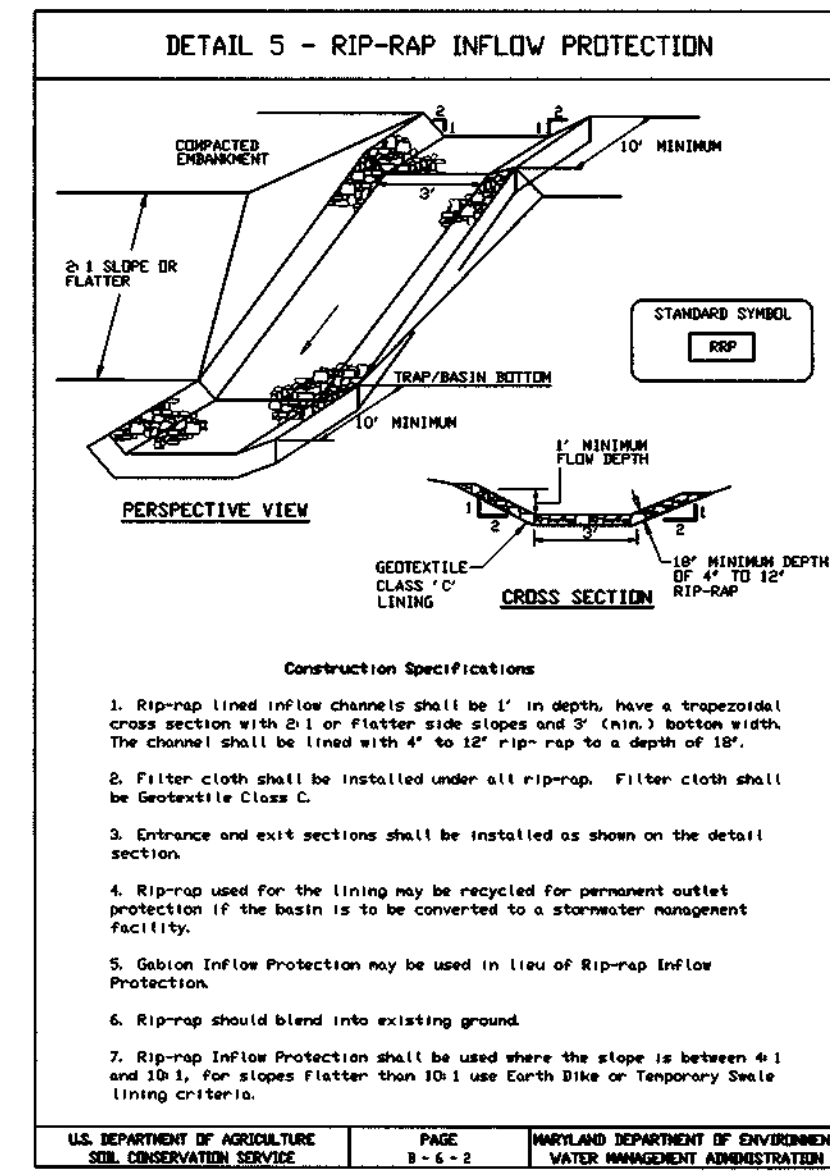
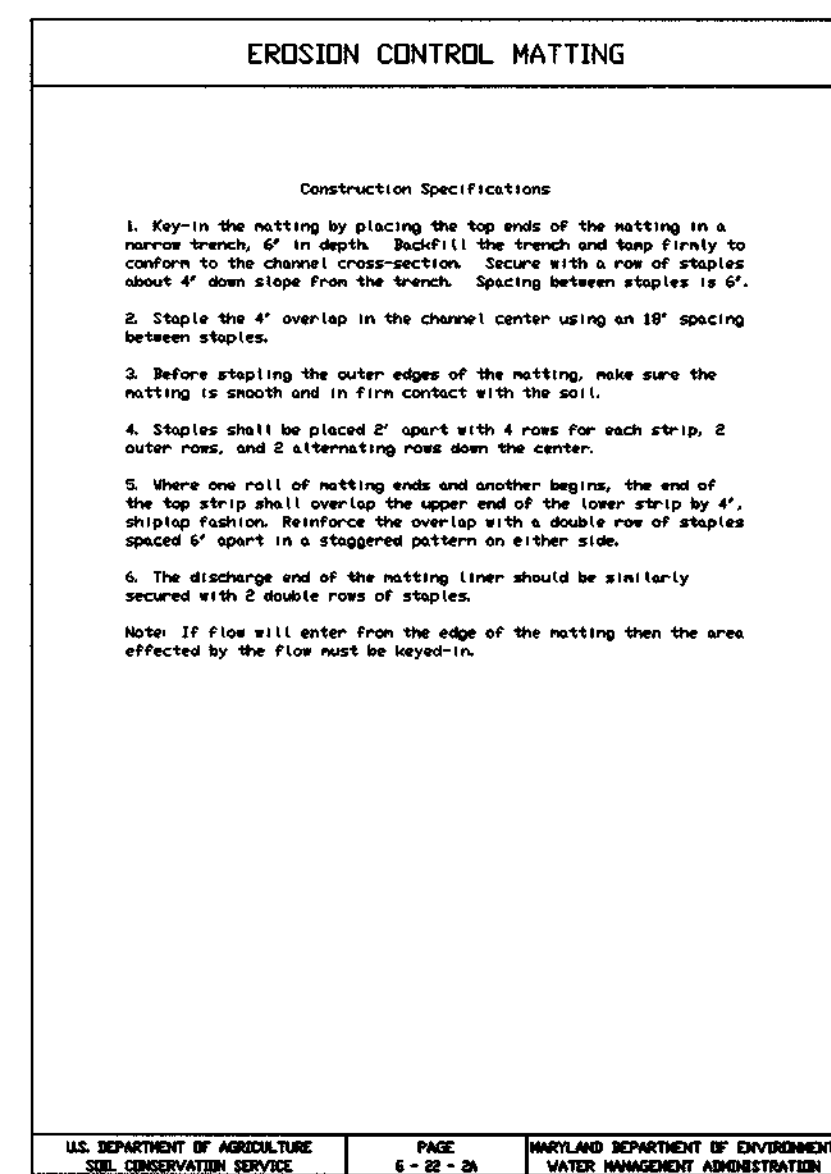
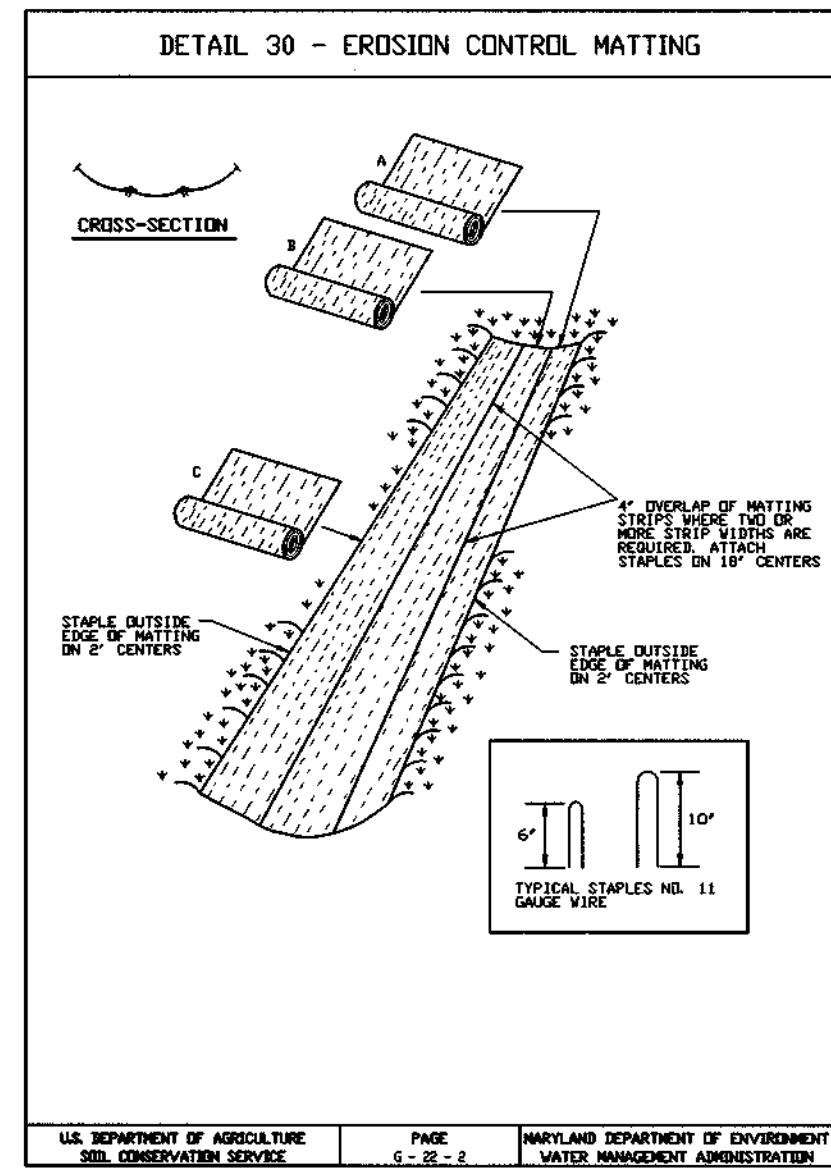
EXISTING EROSION AND SEDIMENT CONTROL MEASURES APPROVED UNDER SDP-96-20 SHALL REMAIN UNTIL THEIR CONTRIBUTING AREAS HAVE BEEN PERMANENTLY STABILIZED.

date	NOV 1989
project	94044
illustration	MMP
scale	MMP
approval	MMP
AS SHOWN	RJH

date	
description	
revisions	
no.	

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 HOWARD COUNTY, MARYLAND
 1ST ELECTION DISTRICT
 SEDIMENT CONTROL NOTES AND DETAILS

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Boreas Rd, Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 987-0286 Bait. (301) 691-5527 Wash. (410) 997-0288 Fax.



DEVELOPERS CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *Mark L. Levy* DATE: 6/9/04
 MARK L. LEVY, P.E. IFS, LLC
 PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Jacobus Hikmat* DATE: 5/16/00
 R. JACOBUS HIKMAT
 PRINTED NAME OF ENGINEER

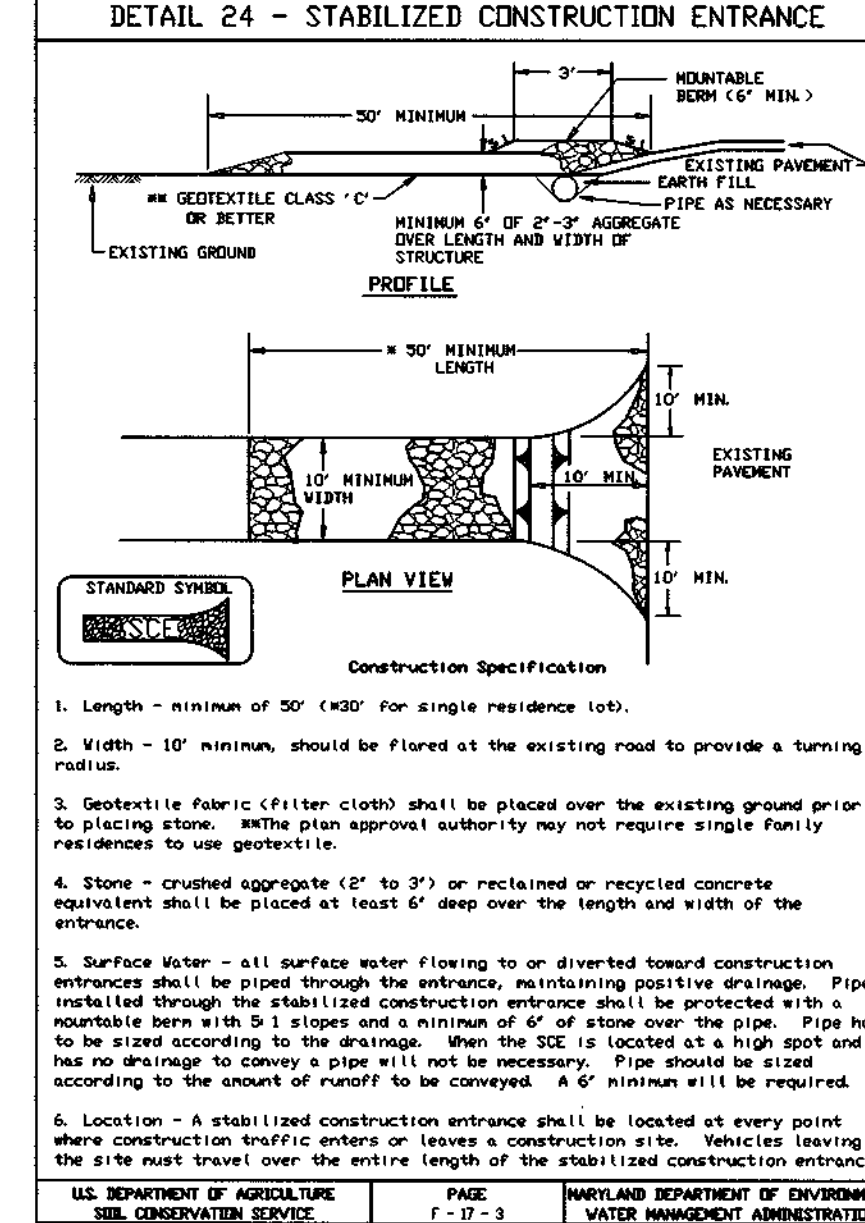
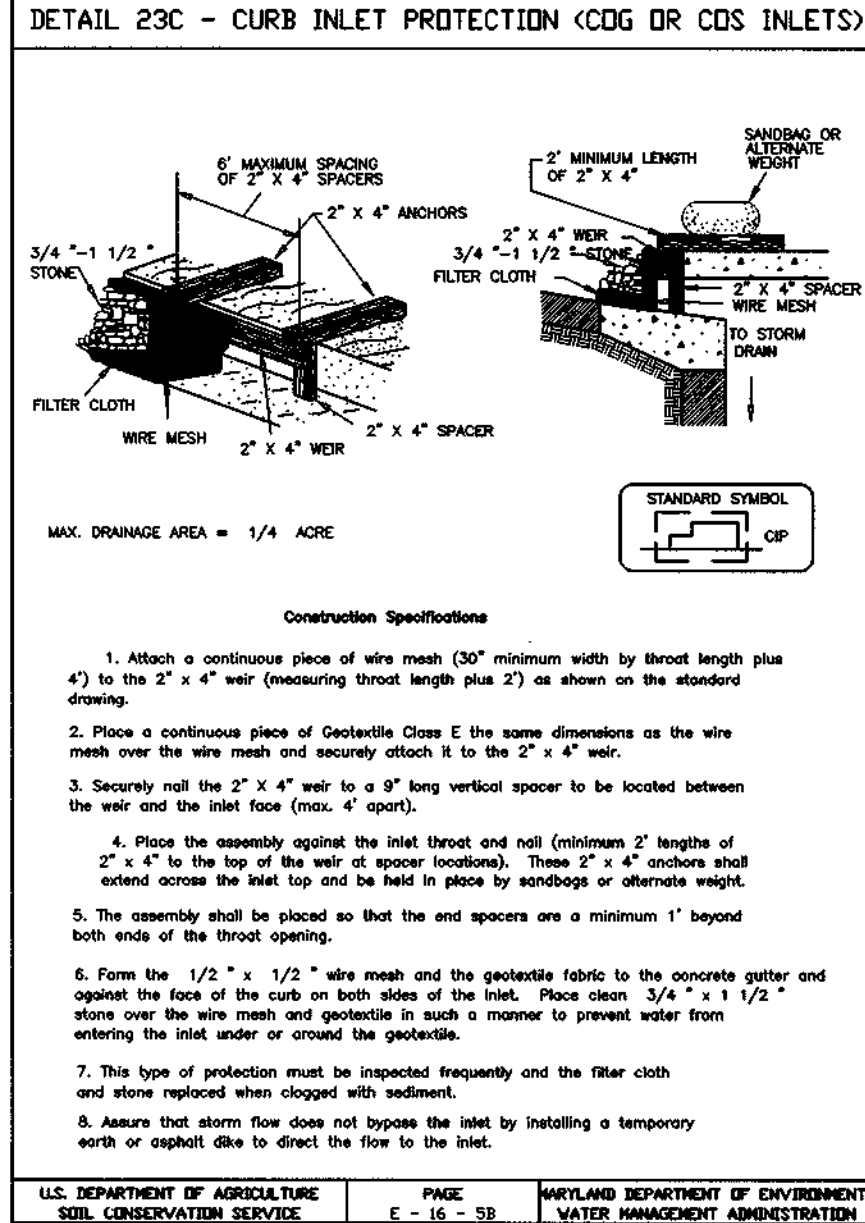
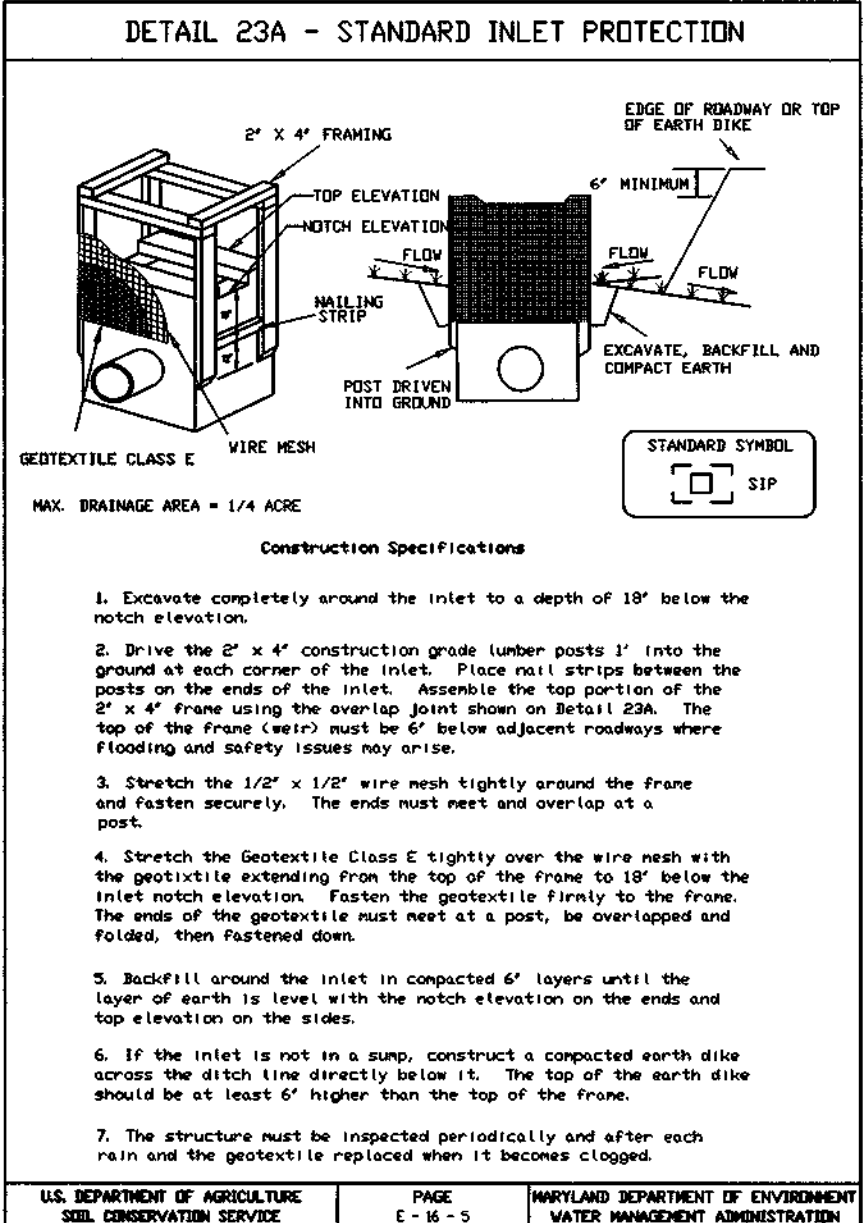
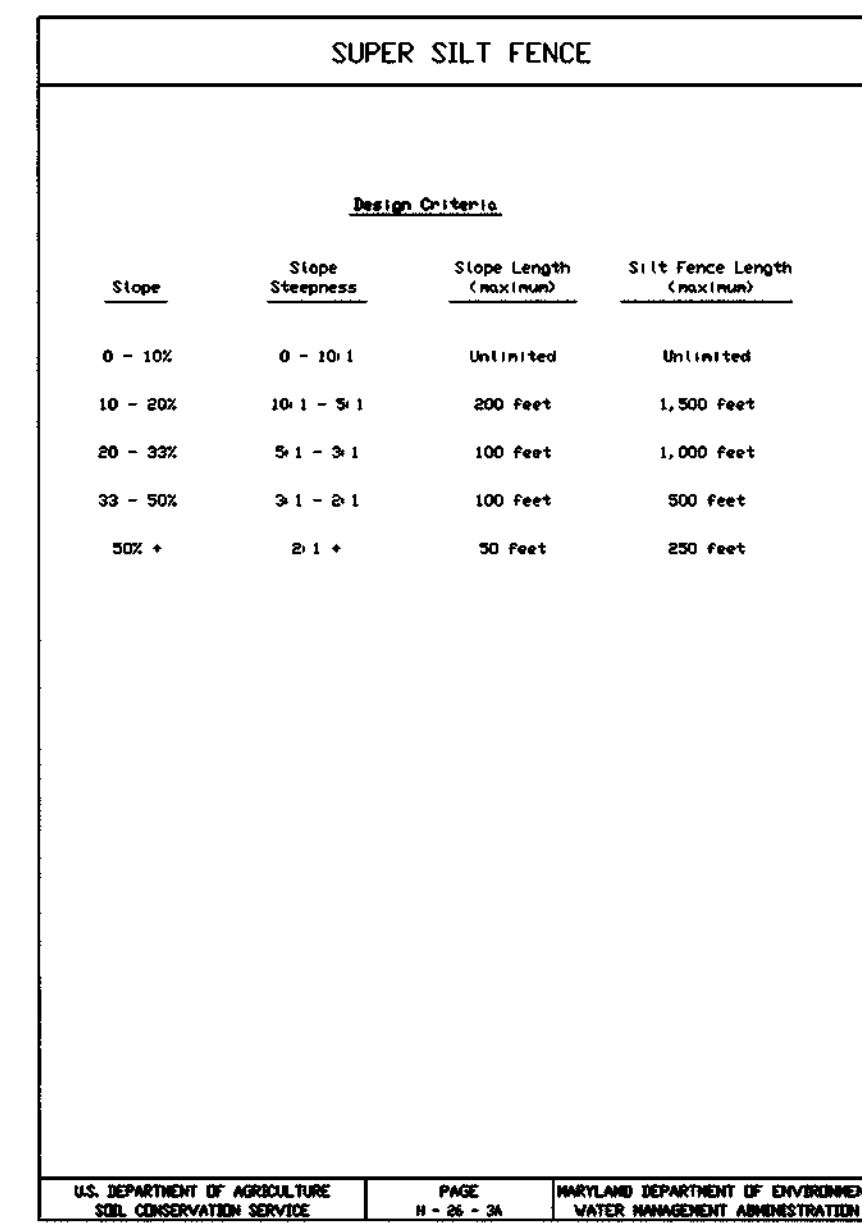
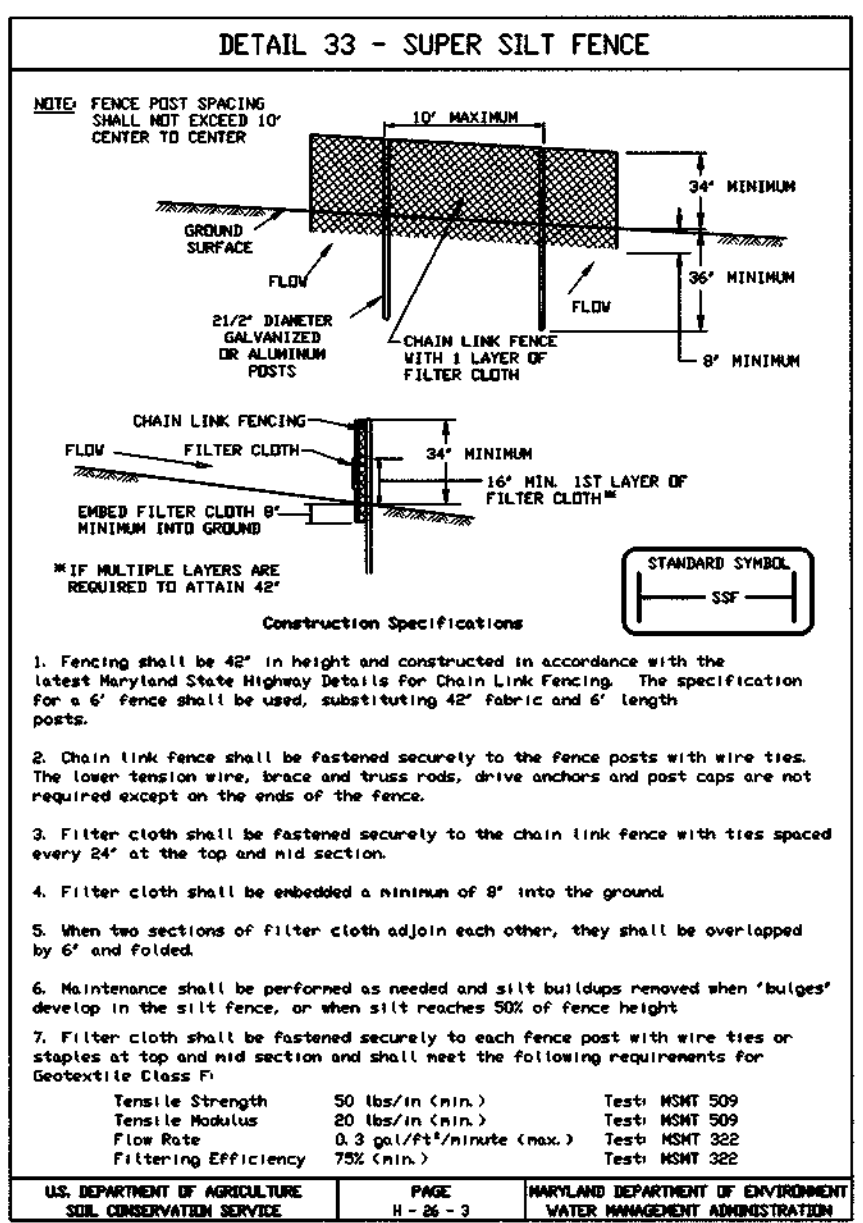
Signature: *Cheryl Simmons* DATE: 7/5/00
 CHERYL SIMMONS
 USDA - NATURAL RESOURCE CONSERVATION SERVICE

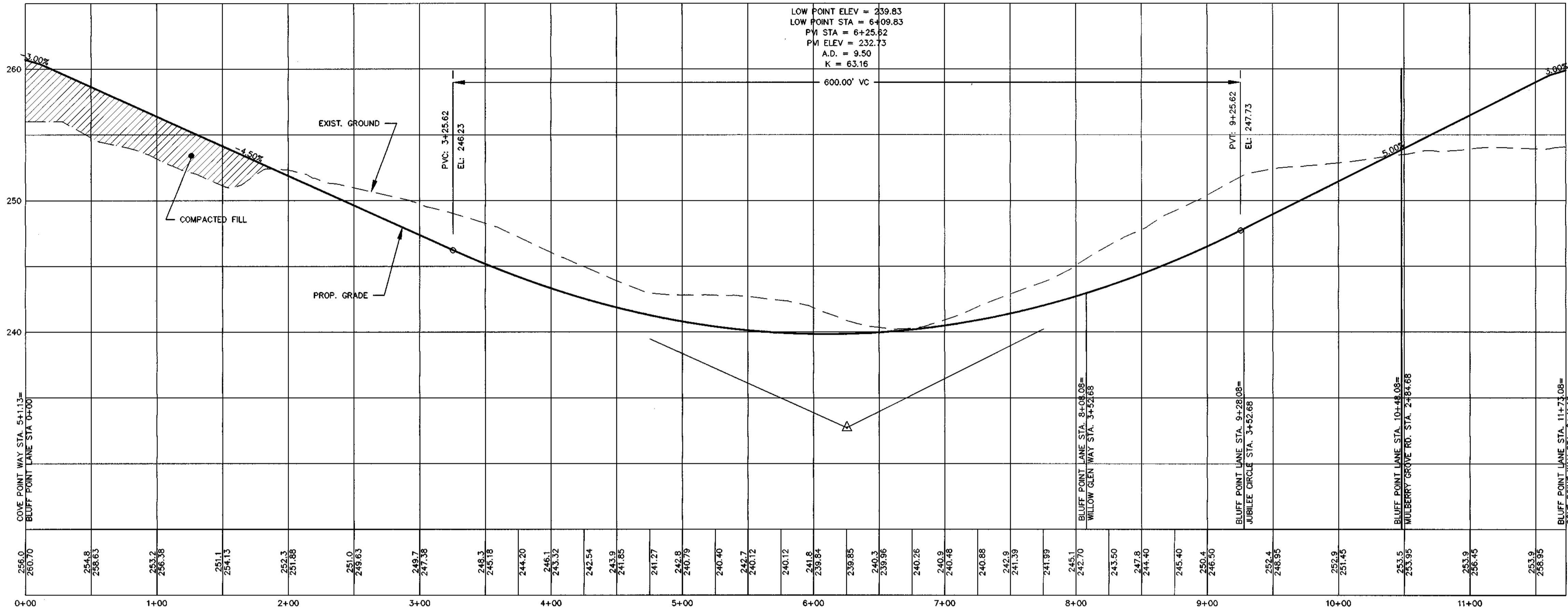
Signature: *John R. Robinson* DATE: 7/5/00
 JOHN R. ROBINSON
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Signature: *Cheryl Simmons* DATE: 7/6/00
 Cheryl Simmons
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *Chris Hamstra* DATE: 8/1/00
 Chris Hamstra
 CHIEF, DIVISION OF LAND DEVELOPMENT

Signature: *John R. Robinson* DATE: 8/1/00
 John R. Robinson
 DIRECTOR

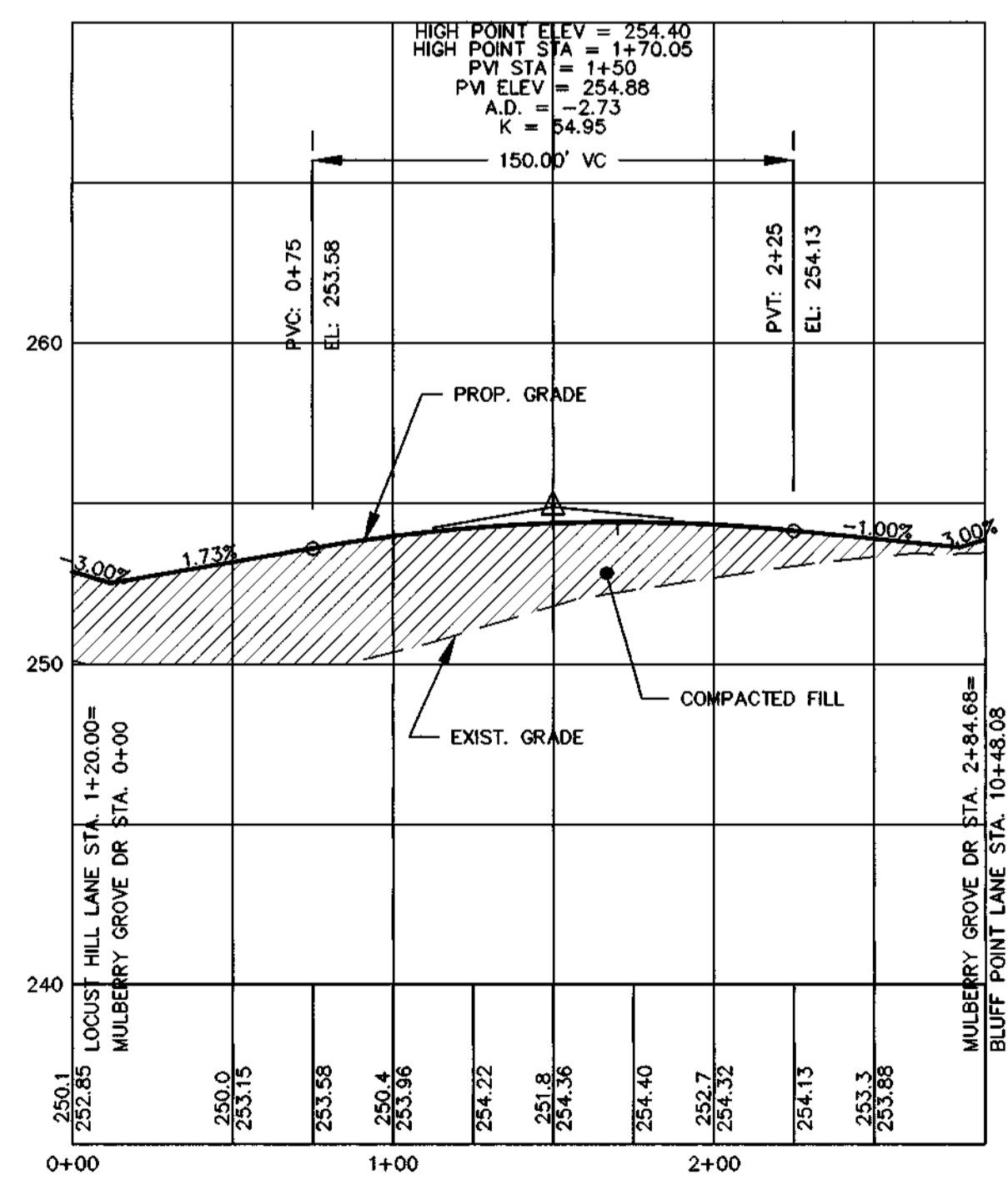




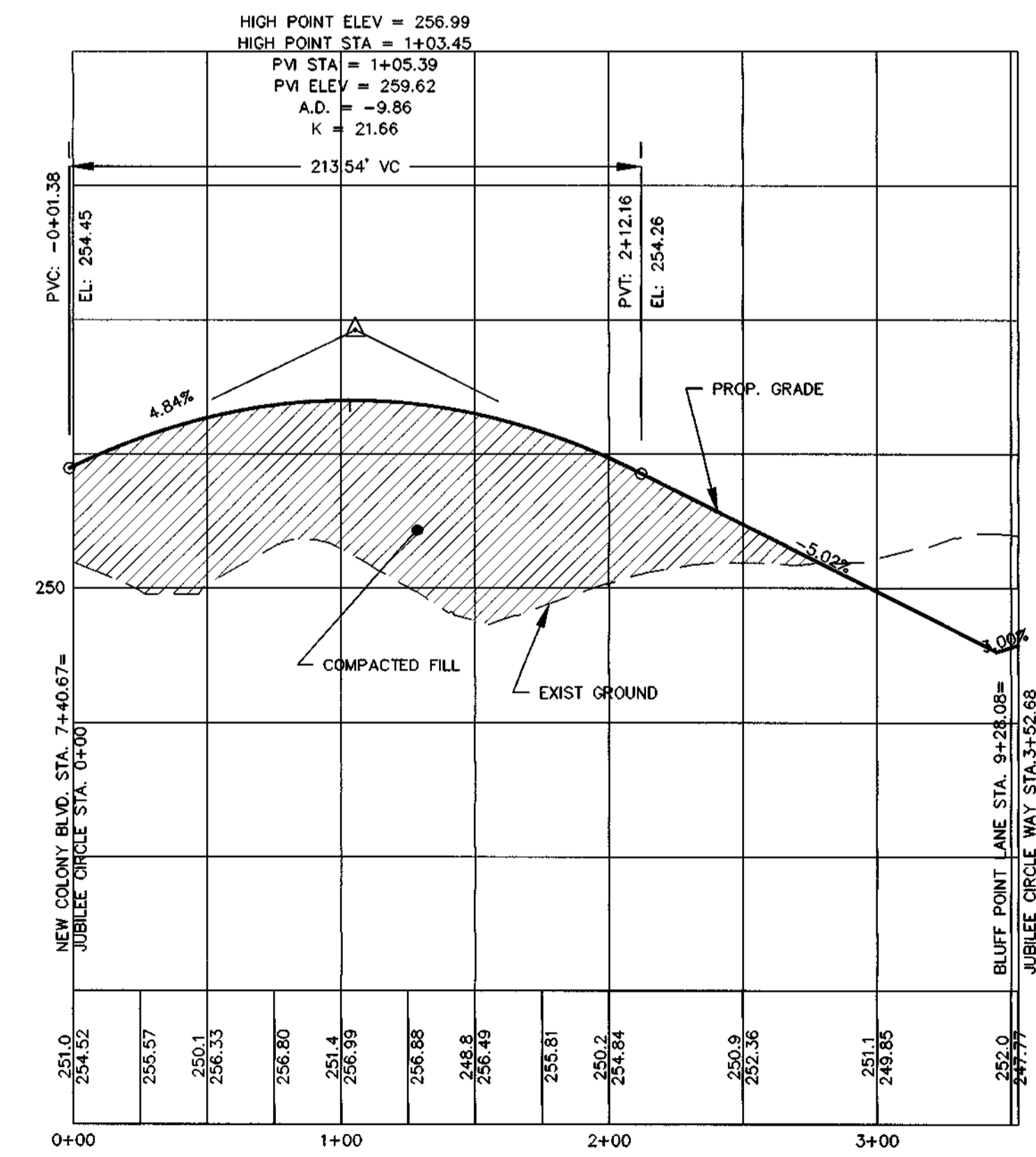
BLUFF POINT LANE PROFILE

NOTE

EXISTING GROUND REPRESENTS ORIGINAL PREDEVELOPED CONDITIONS IN ORDER TO ACCURATELY REPRESENT CUT & FILL AREAS



MULBERRY GROVE DR. PROFILE



JUBILEE CIRCLE PROFILE

OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERTOWN, MARYLAND 21136
 (410) 526-4030



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director

7/12/00 DATE
 5/1/00 DATE
 8/1/00 DATE

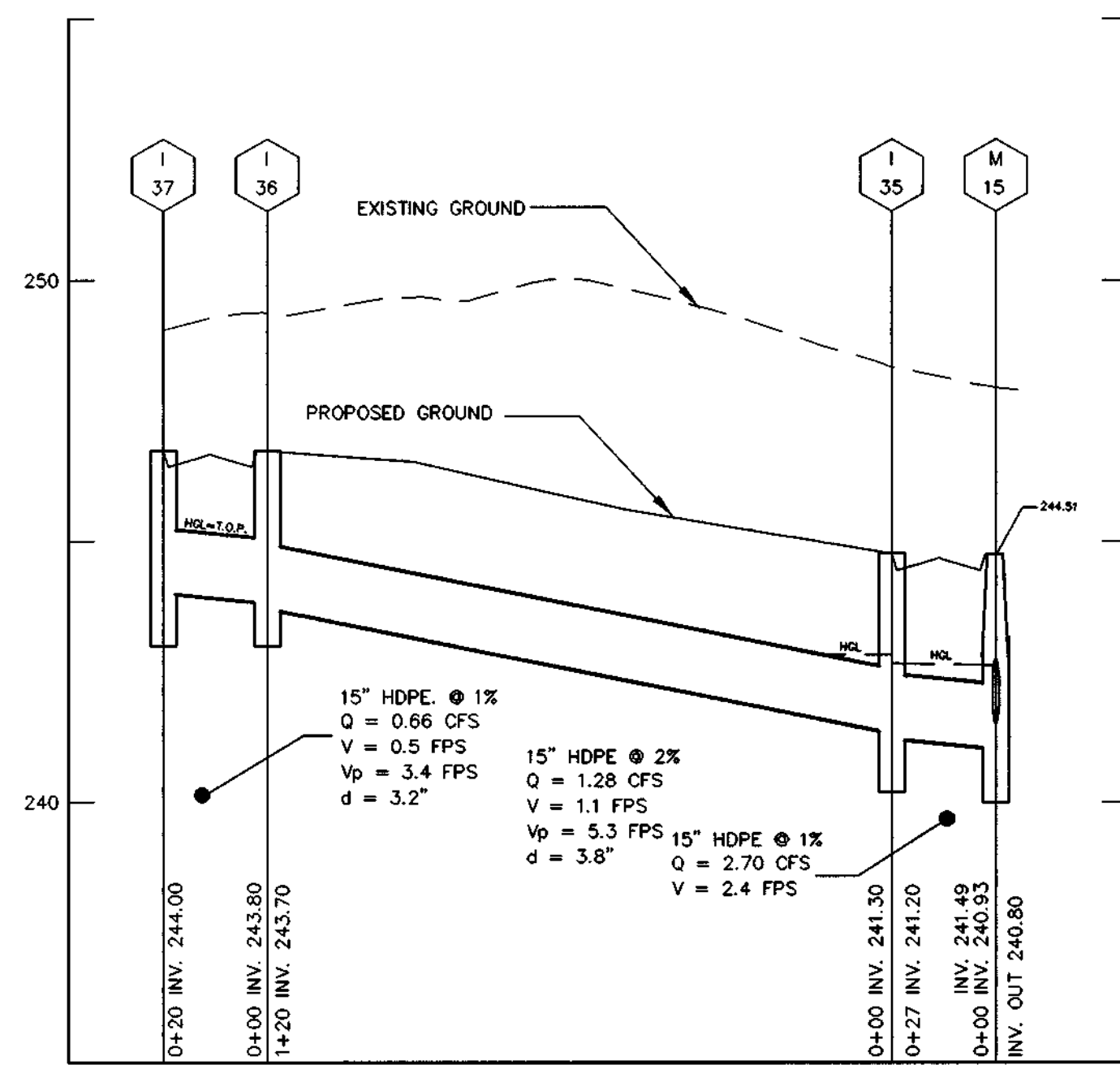
project	94044	date	NOV.2000
illustration	JS	engineering	JS
scale	1"=30'	approval	JS
no.	1=3	revisions	

description	date
revisions	
no.	

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
STORM DRAIN PROFILES

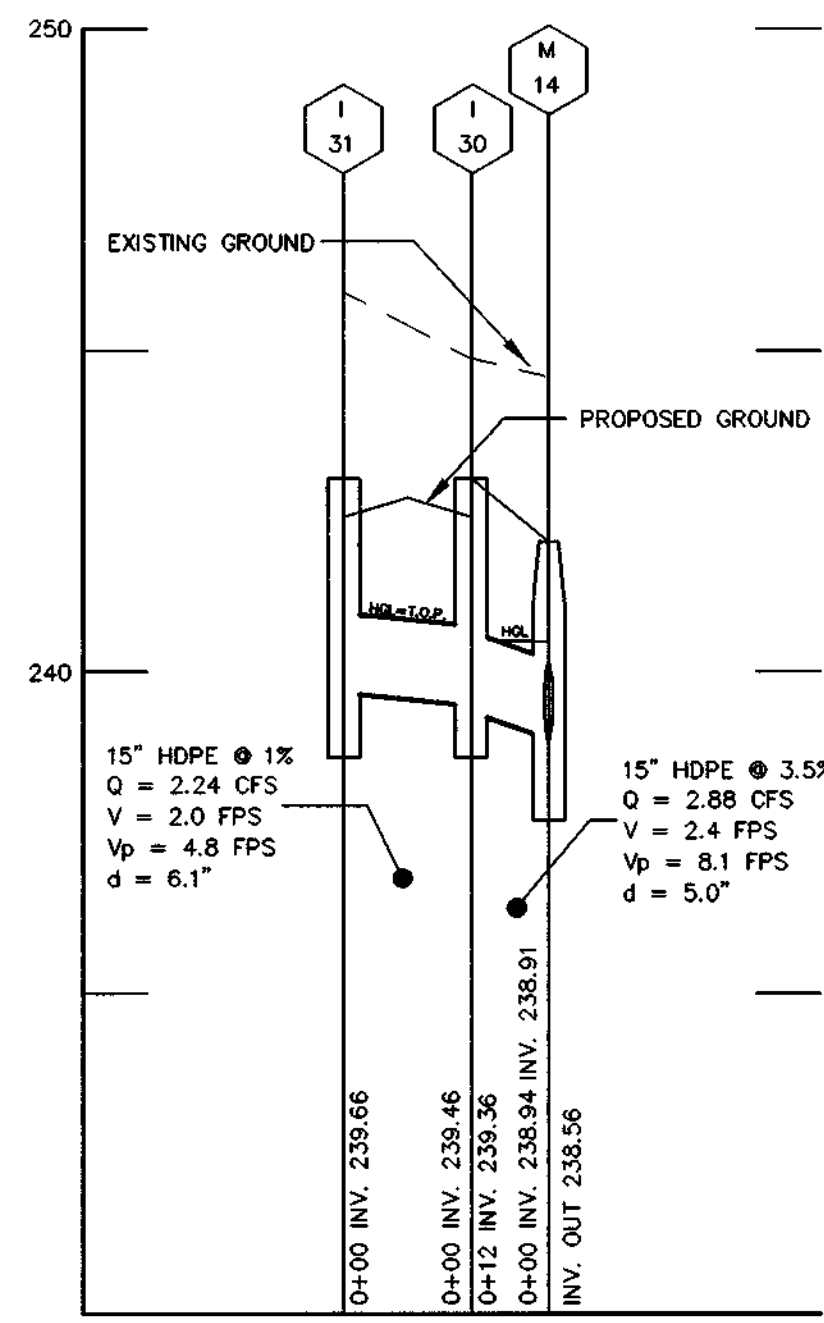
MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorssey Hill Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0286 Fax: (301) 621-5521 Wash. (410) 997-0288 Fax.

NOTE: THIS SHEET SUPERSEDED PREVIOUSLY APPROVED SHEET 8 OF 18



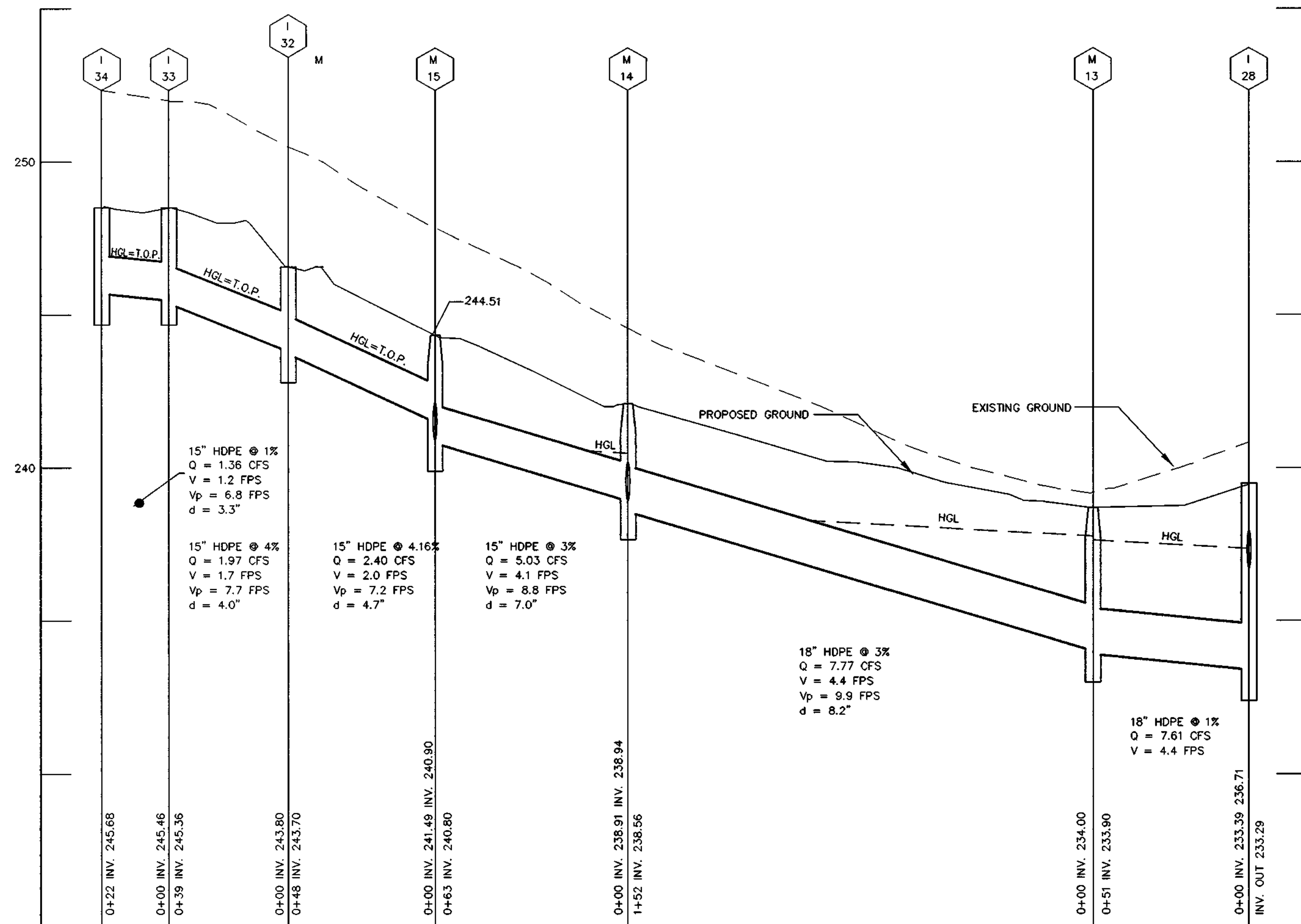
STORM DRAIN PROFILE

SCALE: HOR. 1"=30'
 VER. 1"=3'



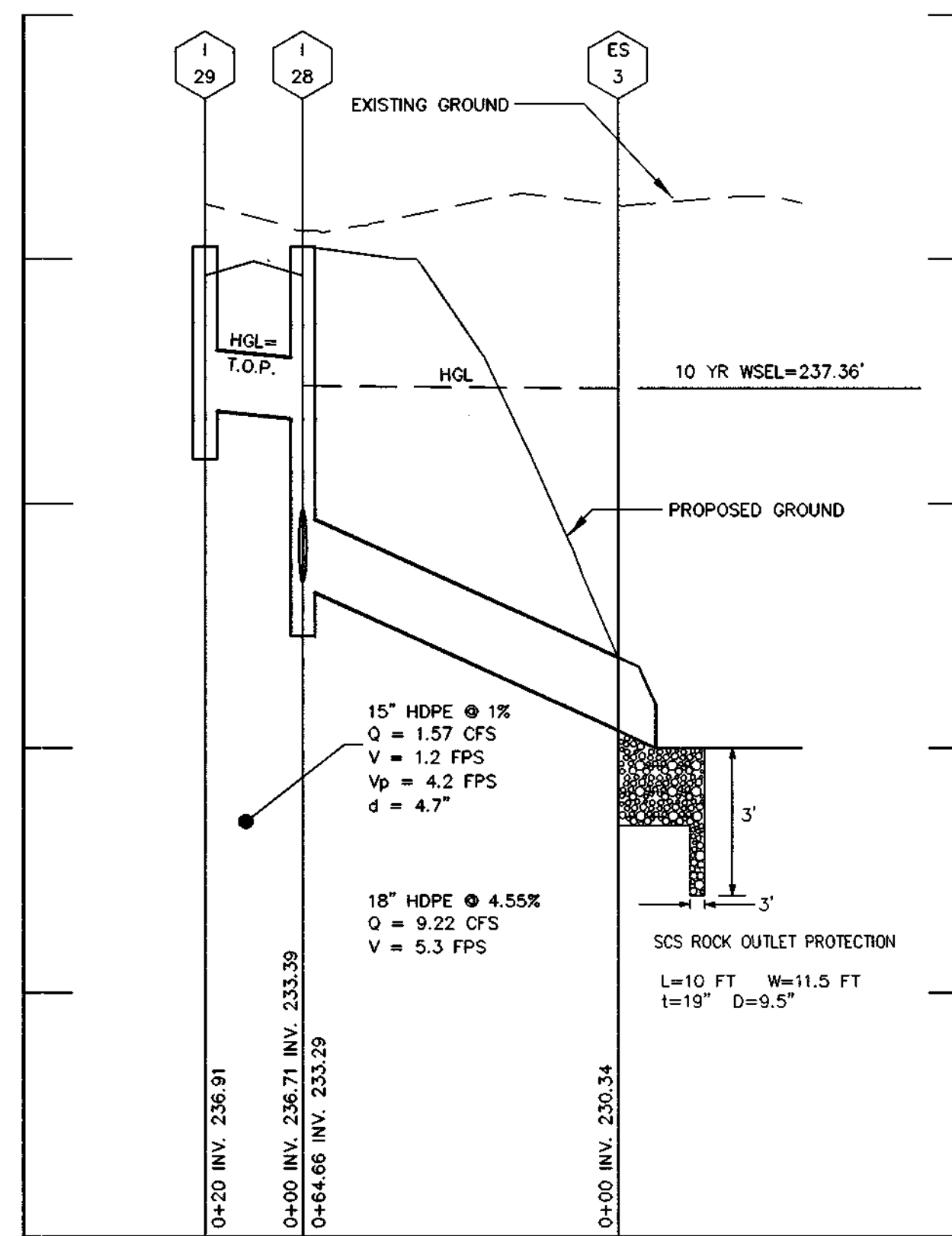
STORM DRAIN PROFILE

SCALE: HOR. 1"=30'
 VER. 1"=3'



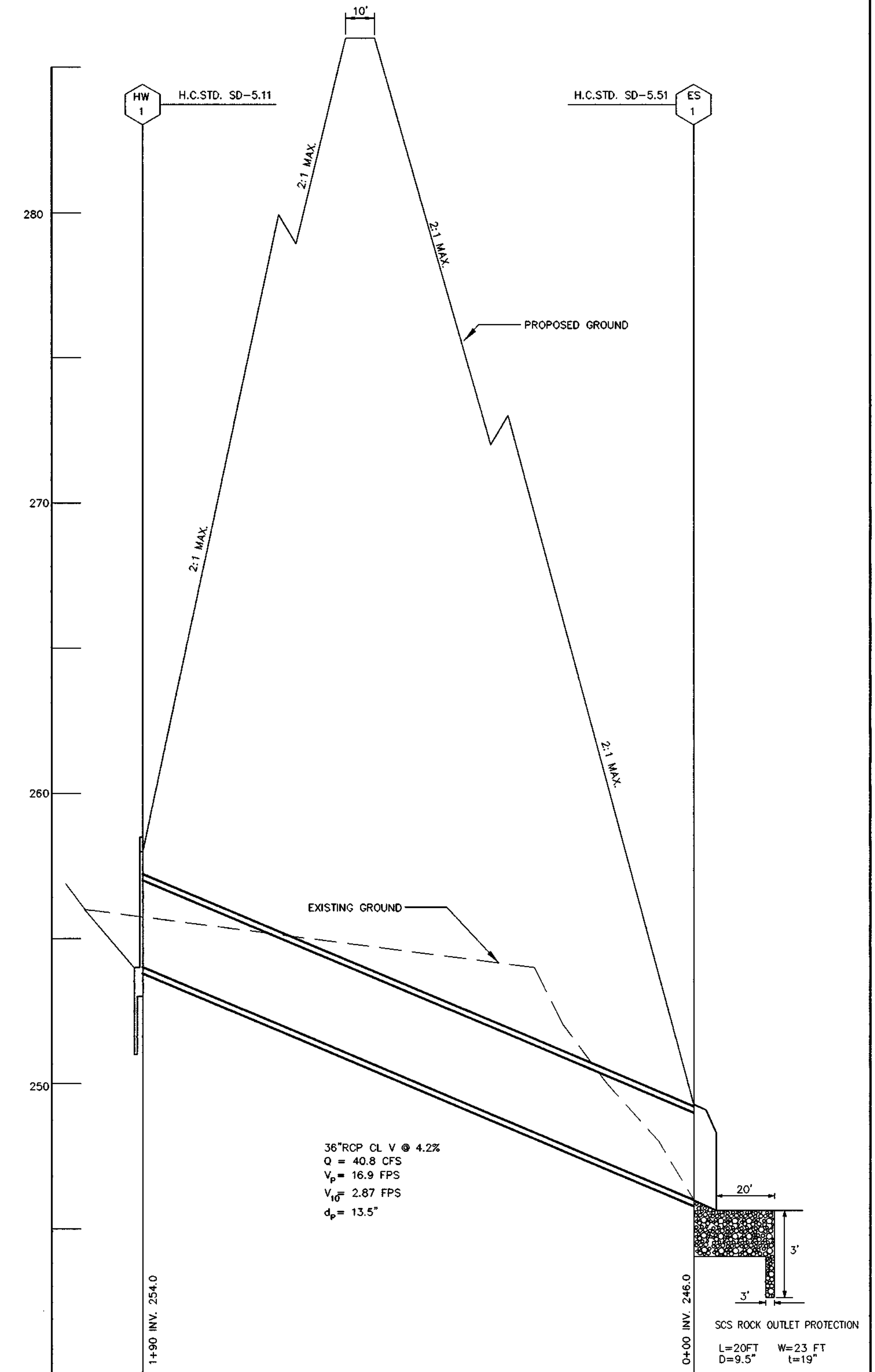
STORM DRAIN PROFILE

SCALE:



STORM DRAIN PROFILE

SCALE: HOR. 1"=30'
 VER. 1"=3'



36" CULVERT PROFILE @ NOISE BERM

SCALE: HOR. 1"=30'
 VER. 1"=3'

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 12/17/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 12/16/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 12/27/00
 DIRECTOR

NOTE

EXISTING GROUND REPRESENTS PREDEVELOPED
 CONDITIONS IN ORDER TO ACCURATELY REPRESENT CUT
 & FILL AREAS



OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERTOWN, MARYLAND 21136
 (410) 526-4030

ULTRA-FLOW PIPE REFERENCE SPECIFICATIONS

MATERIAL	ALUMINIZED STEEL Type 2	AASHTM M274
PIPE	STEEL	ASTM A760
DESIGN	STEEL	ASTM A796
INSTALLATION	STEEL	ASTM A798

NOTE: USE 14 GAUGE ULTRA FLOW PIPES UNLESS OTHERWISE NOTED.

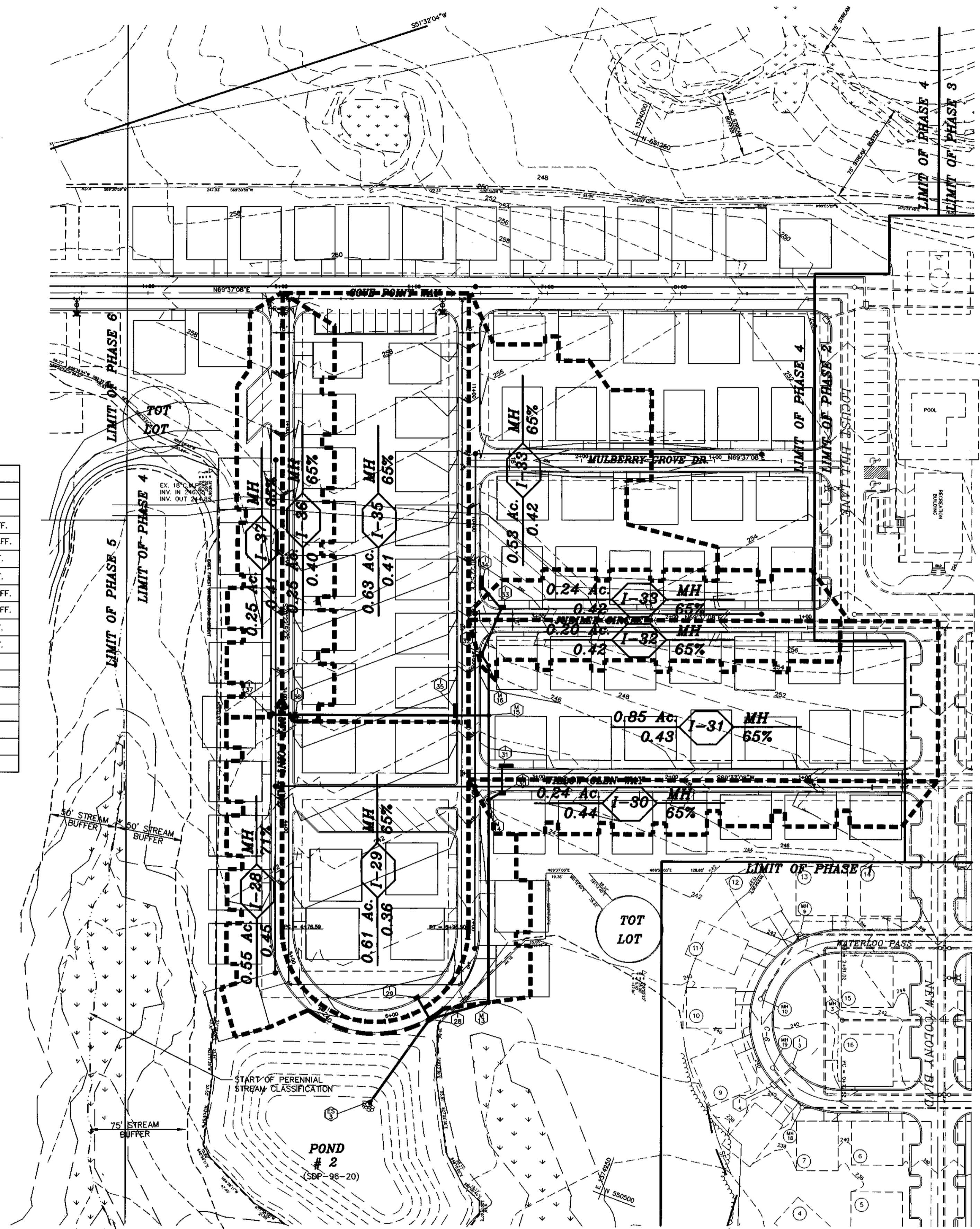
STRUCTURE SCHEDULE

NO.	LOCATION	TOP	INV. IN	INV. OUT	C
I-28	BLUFF POINT LANE - STA 6+09.83 8' OFFSET RIGHT	240.19	236.71 235.39	233.29	INLET TYPE A-5 (HO. CO. STD SD 4.01) - SUMP
I-29	BLUFF POINT LANE - STA 6+09.83 8' OFFSET LEFT	240.19	---	236.91	INLET TYPE A-5 (HO. CO. STD SD 4.01) - SUMP
I-30	WILLOW GLEN WAY - STA 3+29.67 8' OFFSET LEFT	243.38	239.46	239.36	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 100% EFF.
I-31	WILLOW GLEN WAY - STA 3+29.67 8' OFFSET RIGHT	243.38	---	239.66	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-32	BLUFF POINT LANE - STA 9+00.00 8' OFFSET RIGHT	246.86	243.80	243.70	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 97% EFF.
I-33	JUBILEE CIRCLE - STA 3+29.69 8' OFFSET RIGHT	248.22	245.46	245.36	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 96% EFF.
I-34	BLUFF POINT LANE - STA 9+98.91 8' OFFSET RIGHT	251.26	---	245.68	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-35	BLUFF POINT LANE - STA 8+54.78 8' OFFSET LEFT	244.95	241.30	241.20	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-36	BLUFF POINT LANE - STA 3+19.01 8' OFFSET LEFT	246.89	243.80	243.70	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 99% EFF.
I-37	BLUFF POINT LANE - STA 3+19.01 8' OFFSET RIGHT	246.89	---	244.00	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 99% EFF.
M-13	BLUFF POINT LANE - STA 6+56.24 31.49' OFFSET RIGHT	238.71	234.00	233.90	MANHOLE (HO. CO. STD G 5.01)
M-14	WILLOW GLEN WAY - STA 7+93.08 15' OFFSET RIGHT	242.09	238.84 238.91	238.56	MANHOLE (HO. CO. STD G 5.01)
M-15	BLUFF POINT LANE - STA 8+56.63 15.17' OFFSET RIGHT	244.34	241.48 240.90	240.80	MANHOLE (HO. CO. STD G 5.01)
M-16	BLUFF POINT LANE - STA 8+94.09 15.17' OFFSET RIGHT	246.57	243.30	243.20	MANHOLE (HO. CO. STD G 5.01)
ES-6	BLUFF POINT LANE - STA 5+85.88 57.44' OFFSET RIGHT	---	---	230.34	18" Ø END SECTION (HO. CO. STD. SD 5.61)

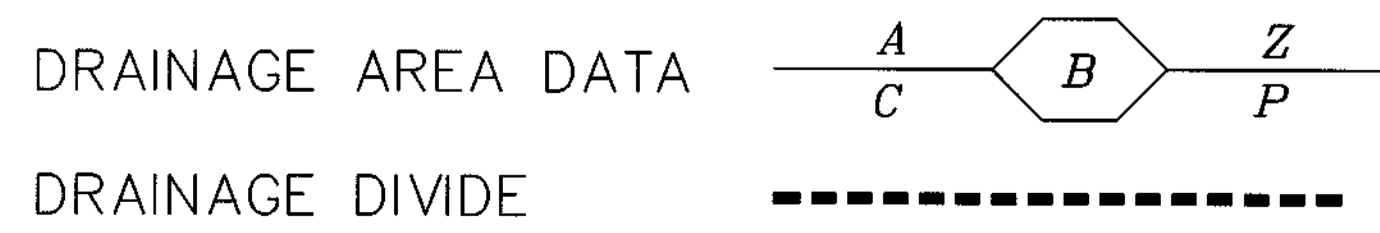
- NOTE: 1. ALL ELEVATIONS MEASURED TO CENTER OF SUMP INLETS AND MANHOLES AND TO DOWNSTREAM SIDE OF INLETS ON GRADE.
 2. PROVIDE 5' TRANSITION FROM HOWARD COUNTY STD. R-301 MODIFIED CURB AND GUTTER TO TOP OF SLAB AT ALL INLETS.
 3. FOR INLETS, TOP ELEVATION REFERS TO TOP OF CURB ELEVATION



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 7/1/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 8/1/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 8/1/00
 DIRECTOR



LEGEND:



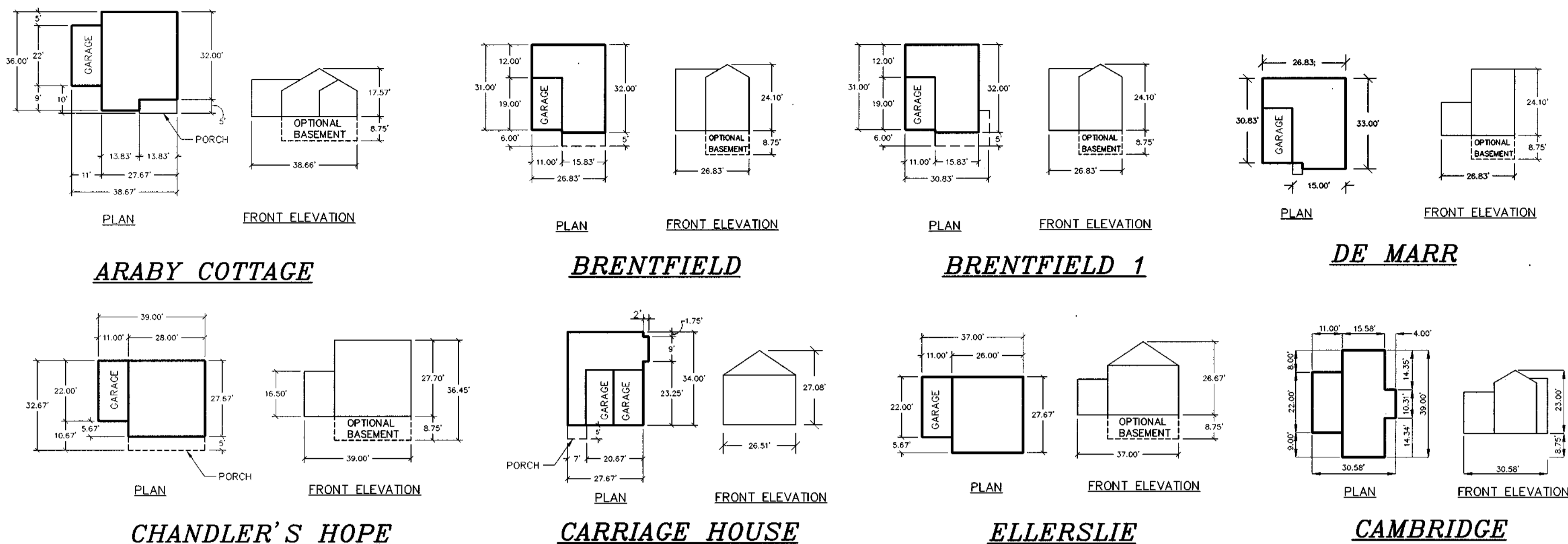
project 94044
 illustration JS
 scale 1"=50'
 date MAY 2000
 engineering JS
 approval RJH

no. _____
 description _____
 revisions _____
 date _____

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DRAINAGE AREA MAP

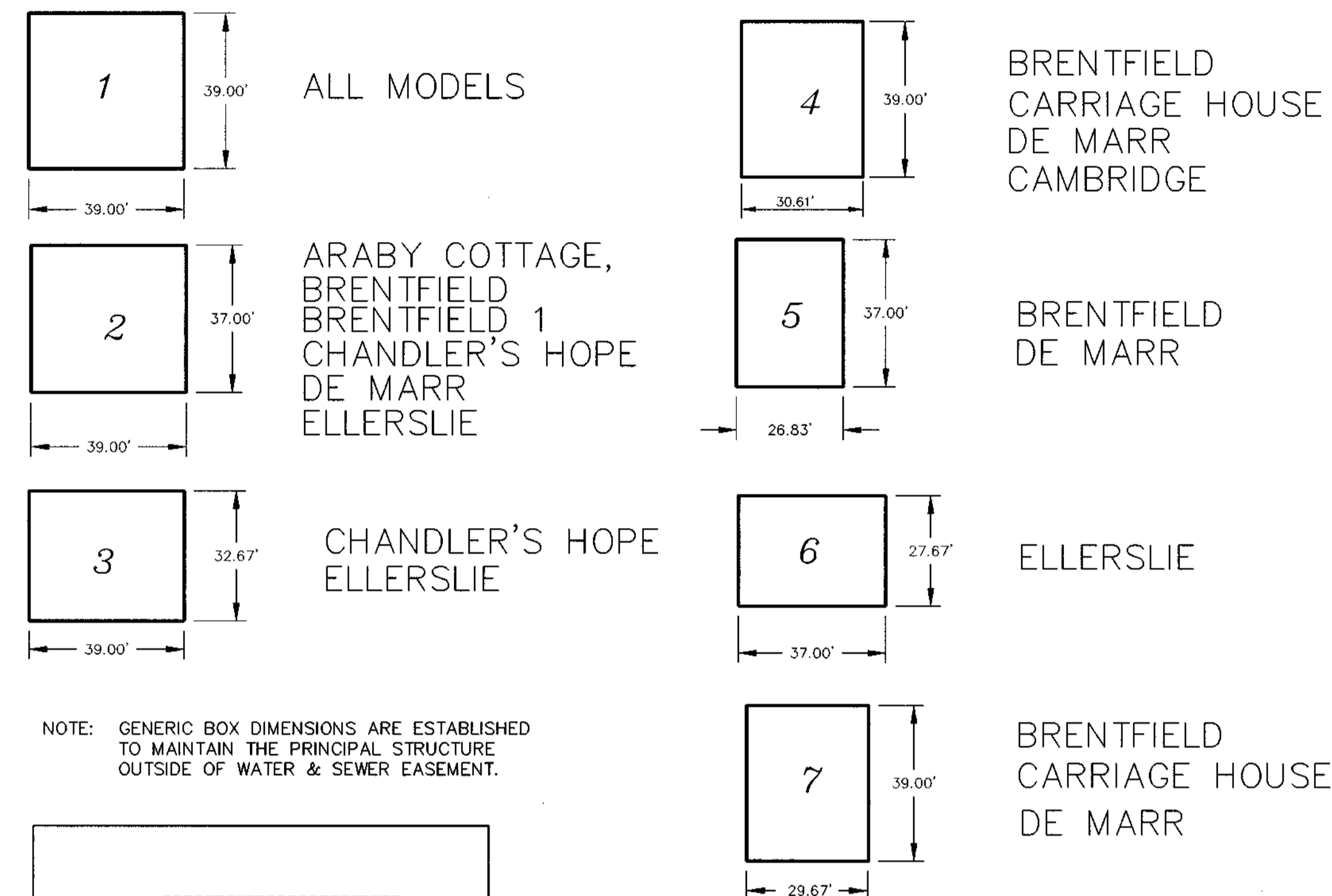
MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 987-0296 Fax (301) 521-5521 Wash. (410) 987-0298 Fax

HOUSE MODELS

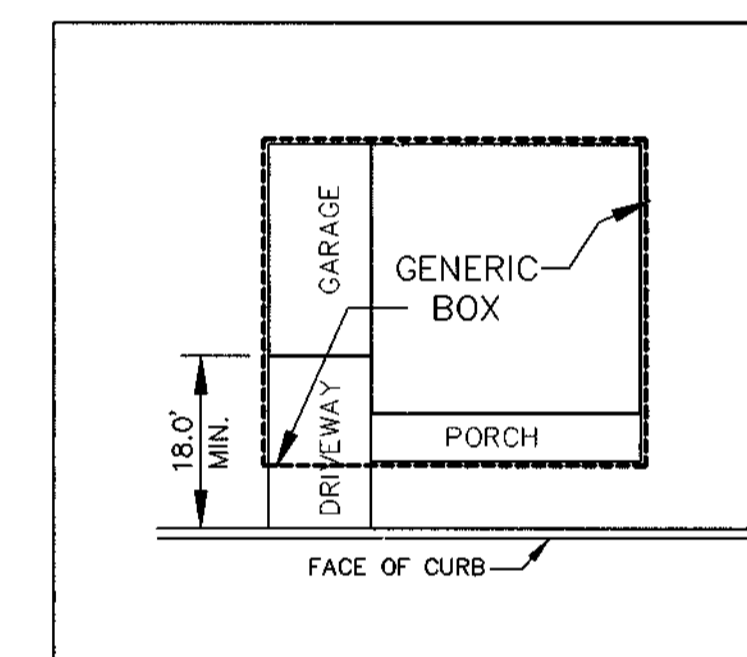


GENERIC BOXES

GENERIC BOXES AVAILABLE MODELS GENERIC BOXES AVAILABLE MODELS

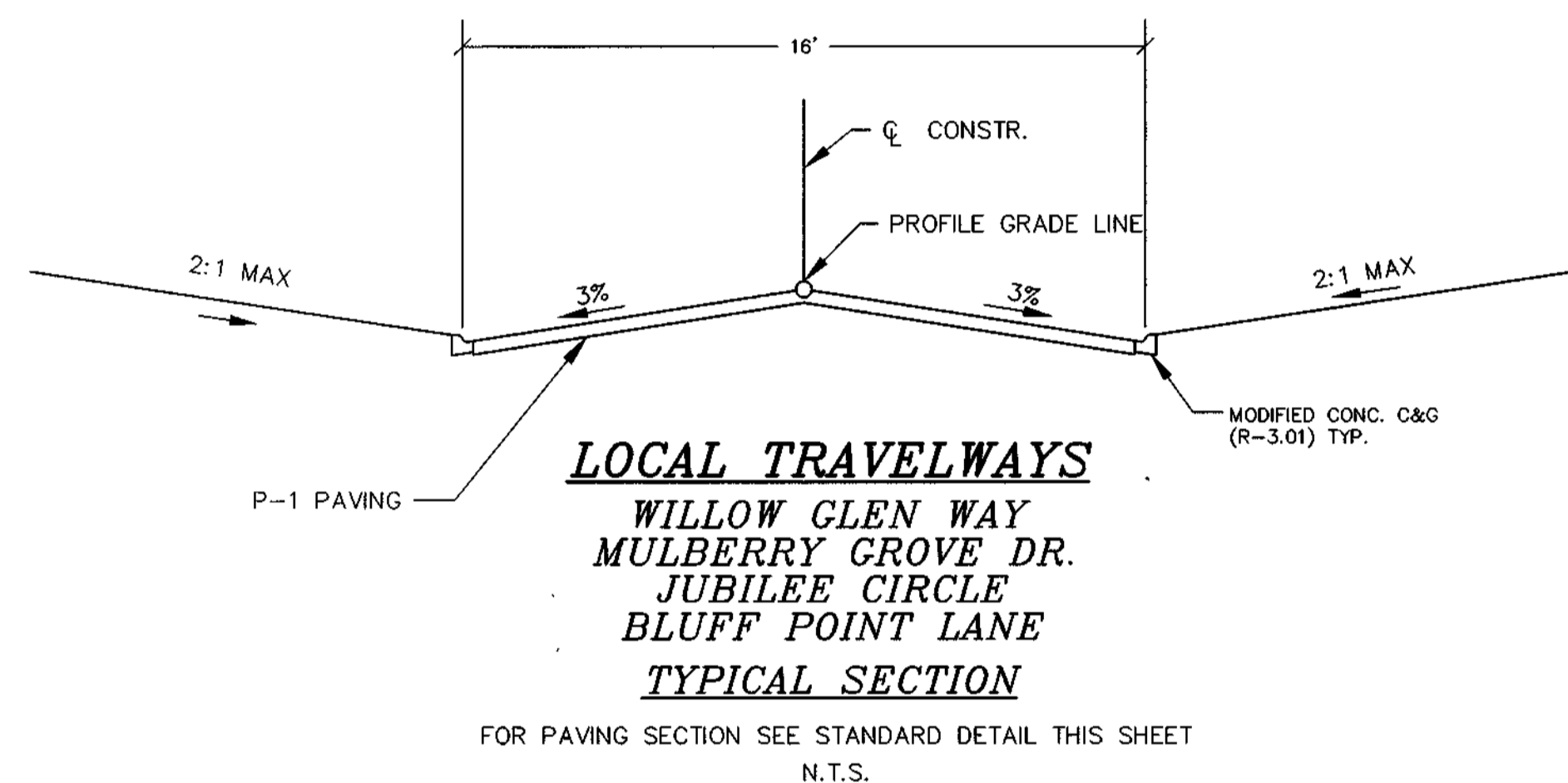


NOTE: GENERIC BOX DIMENSIONS ARE ESTABLISHED TO MAINTAIN THE PRINCIPAL STRUCTURE OUTSIDE OF WATER & SEWER EASEMENT.



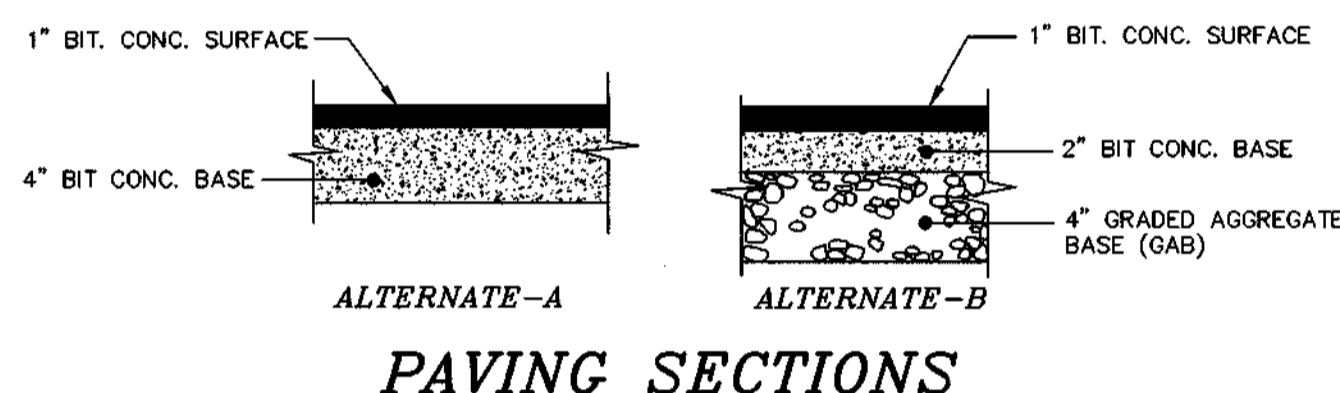
PARKING LAYOUT DETAIL
SCALE: 1" = 20'

NOTE: ALL HOUSING UNITS HAVE MINIMUM ONE PARKING SPACE IN GARAGE. HOUSING UNITS WITHOUT SUFFICIENT DRIVEWAY FOR ADDITIONAL PARKING WILL UTILIZE OFF-STREET SPACES SHOWN.



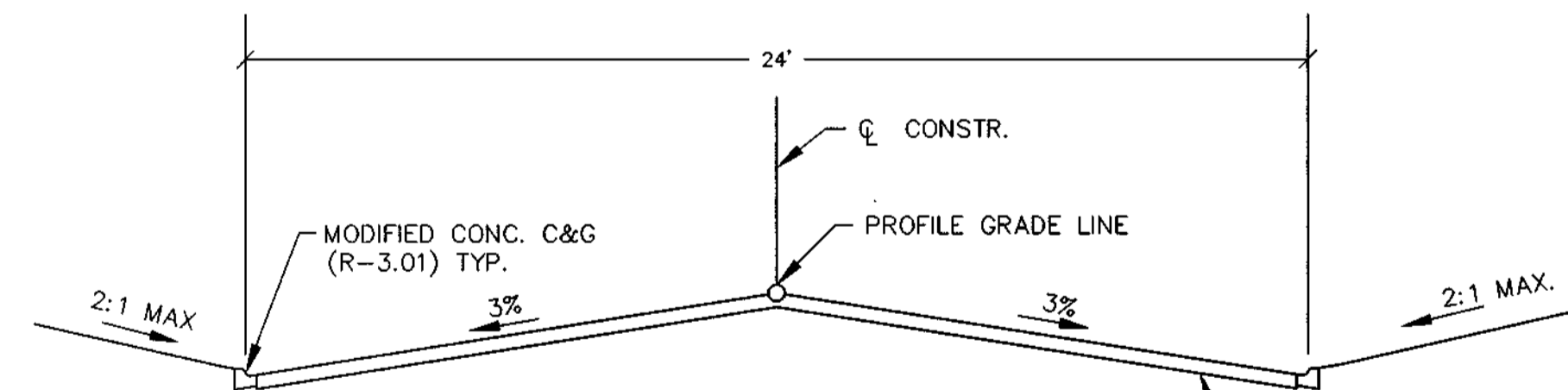
LOCAL TRAVELWAYS
WILLOW GLEN WAY
MULBERRY GROVE DR.
JUBILEE CIRCLE
BLUFF POINT LANE
TYPICAL SECTION

FOR PAVING SECTION SEE STANDARD DETAIL THIS SHEET
N.T.S.



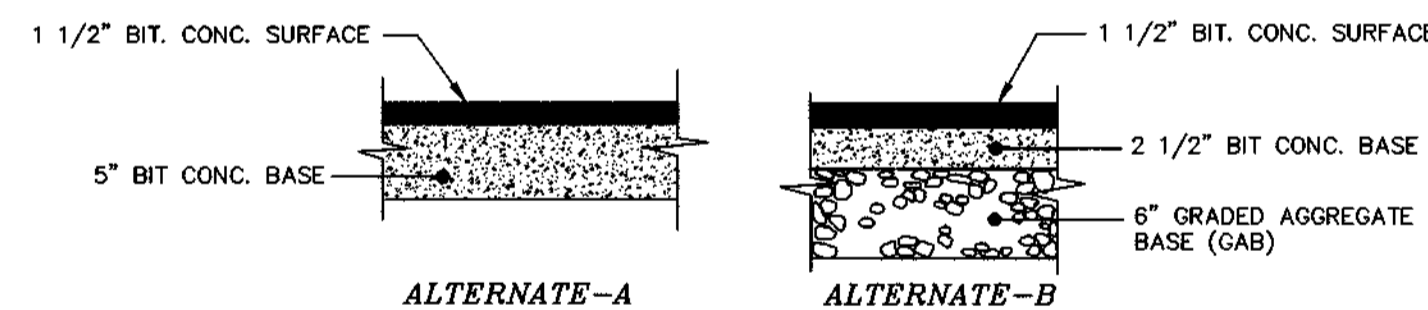
PAVING SECTIONS

P-1
N.T.S.



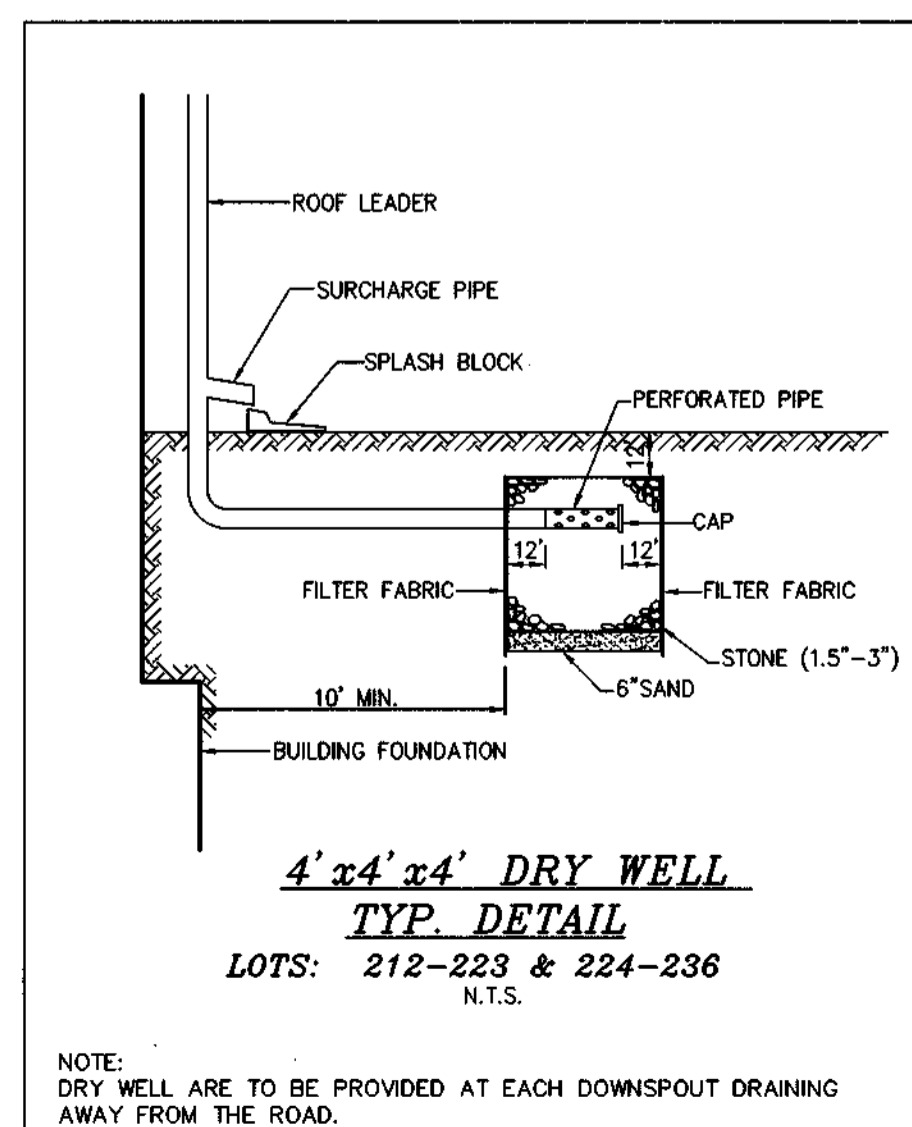
MAIN TRAVELWAYS
COVE POINT WAY
TYPICAL SECTION

FOR PAVING SECTION SEE STANDARD DETAIL THIS SHEET
N.T.S.



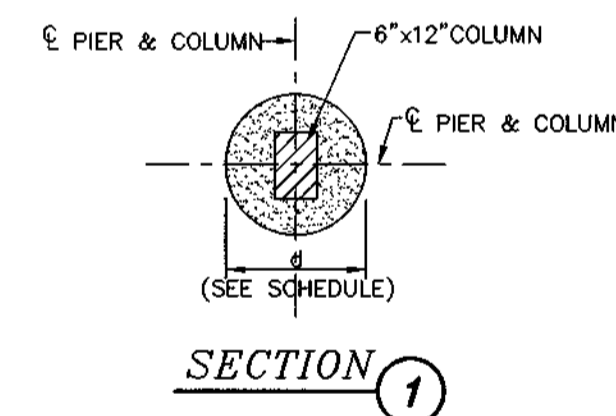
PAVING SECTIONS

P-2
N.T.S.

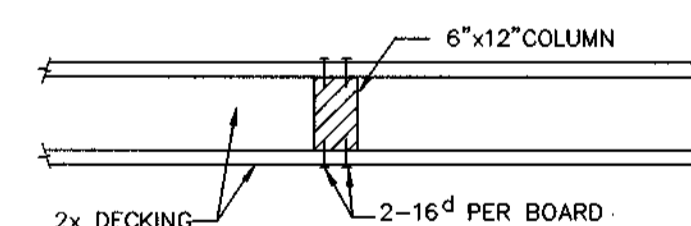


4' x 4' x 4' DRY WELL
TYP. DETAIL
LOTS: 212-223 & 224-236
N.T.S.

NOTE: DRY WELL ARE TO BE PROVIDED AT EACH DOWNSPOUT DRAINING AWAY FROM THE ROAD.

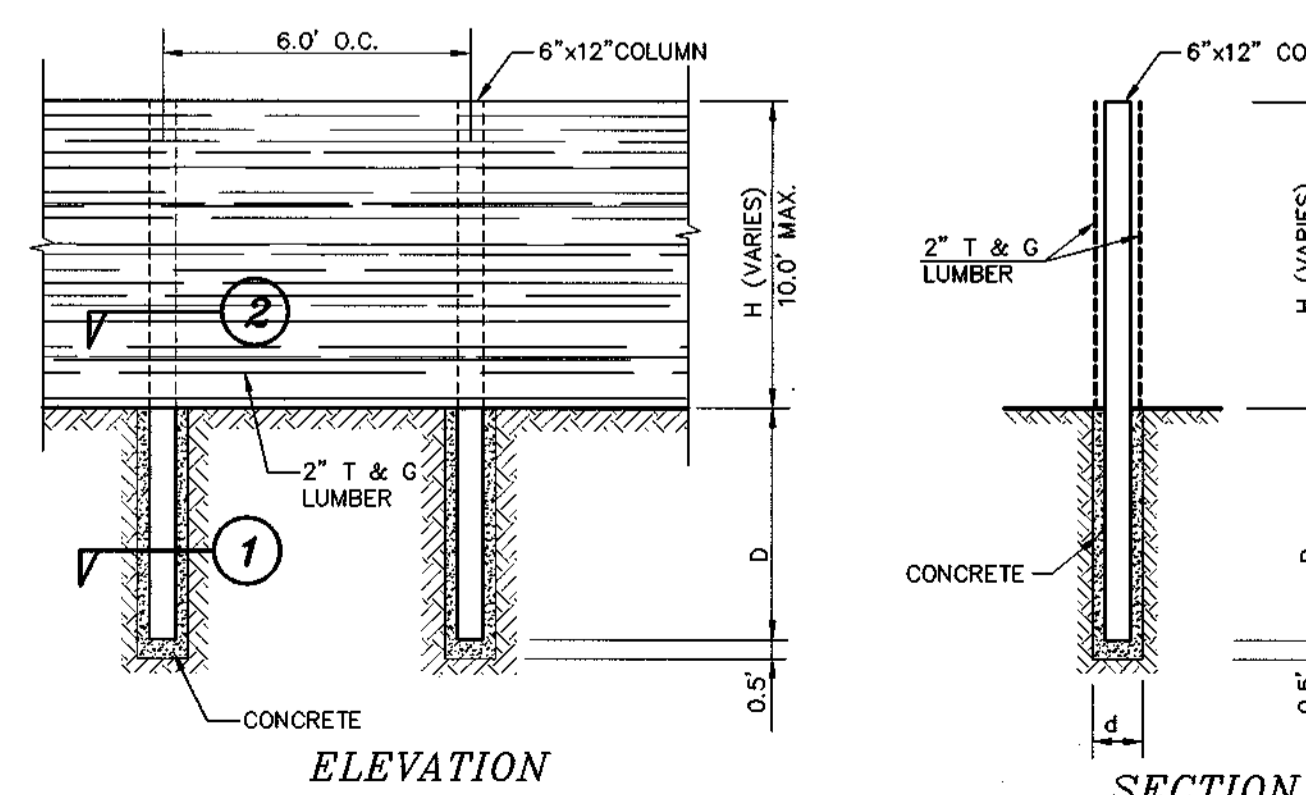


SECTION 1



SECTION 2

SCHEDULE				
H	S	D	d	POST SIZE
5	8'	6'	12"	4"x8"
8	8'	6'	16"	8"x8"
10	8'	8'	18"	6"x12"
15	8'	10'	24"	8"x16"
20	6'	10'	30"	10"x16"



NOISE WALL DETAIL
N.T.S.

- NOTES:
- GENERAL:
 - HEIGHT OF BARRIER SHALL BE BASED ON ACOUSTIC REQUIREMENTS.
 - BARRIER WALLS HAVING A HEIGHT (H) NOT INDICATED IN THE TABLES SHALL BE CONSTRUCTED AS SHOWN IN THE HIGHER HEIGHT CATEGORY.
 - SIDING:
 - 2 INCH WOOD DECKING MATERIAL SHALL BE UTILIZED TO SPAN HORIZONTALLY BETWEEN POSTS. DESIGN CRITERIA IS BASED ON AN ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ. IN. AND A 33 1/3% INCREASE IN STRESS FOR WIND LOADS AS CONSIDERED APPROPRIATE. DECKING SHALL BE MC15.
 - SIDING IN CONTACT WITH THE GROUND AND FOR A DISTANCE OF 6" ABOVE GRADE SHALL BE TREATED WITH WOOD PRESERVATIVE.
 - POST:
 - WOOD POST SHALL BE UTILIZED AT THE SPACING INDICATED ON THE SCHEDULE. DESIGN CRITERIA IS BASED ON AN ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ. IN. AND A 33 1/3% INCREASE FOR WIND LOAD.
 - POST EMBEDDED IN CONCRETE SHALL BE TREATED WITH A WOOD PRESERVATIVE IN THE AREA OF EMBEDMENT AND 12" ABOVE GRADE.
 - CONCRETE:
 - CONCRETE IN THE PIERS HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2500 LBS. PER SQ. FT.
 - CONCRETE SHALL BE PLACED IN DRILLED PIERS UTILIZING THE EARTH AS THE FORMS.
 - FOUNDATIONS:
 - THE DRILLED PIERS HAVE BEEN DESIGNED UTILIZING AN ALLOWABLE PASSIVE PRESSURE OF 300 LBS. PER SQ. FT. AND THE FOLLOWING FORMULA:

$$D = \left(\frac{14.52M}{P_d} \right)^{1/3}$$
 M = MOMENT AT TOP OF DRILLED PIER (FT/LBS)
 P = ALLOWABLE PASSIVE PRESSURE (300 LBS PER SQ.FT.)
 d = DIAMETER OF PIER (FT.)
 D = DEPTH OF PIER (FT.)
 - ALTERNATIVE #1 (PRESERVATIVE TREATMENT) ALTERNATIVE #1 REPRESENTS THE ADDITIONAL COST FACTOR FOR TREATING THE BASIC WOOD STRUCTURE INDICATED ON THIS REFERENCE PLAN. THE NECESSITY FOR TREATMENT AND THE TYPE OF TREATMENT WILL BE SUBJECT TO LOCAL CONDITIONS. ALL TREATMENTS SHALL CONFORM TO AWPA STD C-14.
 - ALTERNATIVE #2 (PAINTING) ALTERNATIVE #2 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO PAINT ONE SIDE OF THE BASIC WOOD STRUCTURE SHOWN ON THIS REFERENCE PLAN. PAINTING SHALL CONSIST OF 3 APPLICATIONS OF PAINT, 2 COATS OF LATEX BASE PAINT CONFORMING TO FEDERAL SPECIFICATION TT-P-009966 SHALL BE APPLIED OVER PRIMER COAT CONFORMING TO FEDERAL SPECIFICATION TT-P-00250.
 - ALTERNATIVE #3 (STAINING) ALTERNATIVE #3 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO STAIN ONE SIDE OF BASIC WOOD STRUCTURE. STAIN SHALL CONSIST OF 2 COATS OF SEMI-TRANSPARENT SEALER STAIN APPLIED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

OWNER/DEVELOPER
RTE 175 LLC
C/O ROCK REALTY, INC.
25 MAIN STREET
REISTERTOWN, MARYLAND 21136
(410) 526-4030



APPROVED: DEPARTMENT OF PLANNING AND ZONING

Michael Damman 7/12/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Conrad Hamble 8/1/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE
James Smith 8/1/00
DIRECTOR DATE

Project	94044	date	MAY 2000
Illustration	MMP	engineering	MMP
scale	MMP	approval	AS SHOWN RJH

no.	description	revisions

TAX MAP 43, PARCELS 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
1ST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONSTRUCTION DETAILS

MILDENBERG, BOENDER & ASSOC., INC.
Planners Surveyors
Engineers
5072 Dorsey Hill Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax.

NOTE: THIS PLAN IS TO BE USED ONLY FOR THE PURPOSE OF A LANDSCAPE PLAN.

NOTES:

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.12.4 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$ 88,950.00.
- NO PERIMETER EDGE LANDSCAPING IS REQUIRED FOR THIS SHEET. THIS PORTION OF PHASE 4 IS INTERNAL.
- DUE TO EASEMENT LOCATIONS, STREET TREES HAD TO BE RELOCATED TO OTHER AVAILABLE AREAS IN THE DEVELOPMENT.

PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
50	○	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.	
30	○	AMELANCHIER CANADENSIS	SHADBLOW SERVICEBERRY	8' HT.	
42	○	CUPRESSOCYPRIS LEYLANDI	LEYLAND CYPRESS	6' - 8' HT.	
24	○	GLEDITSIA TRIACANTHOS INERMIS SHADENASTER	SHADENASTER THORNLESS HONEY LOCUST	2 1/2" - 3" CAL.	LIMB UP TO 7'
23	○	KOELRUTERIA PANICULATA	GOLDEN RAIN TREE	8' HT.	TREE FORM
3	○	PINUS STROBATUS	WHITE PINE	8' HT.	DENSE BRANCHING
64	○	PRUNUS SERRULATA 'KWANZAN'	KWANZAN CHERRY	8' HT.	DENSE BRANCHING
TOTAL					
237 TREES (74 SHADE TREES, 130 SMALL TREES, 33 EVERGREENS)					

SCHEDULE A: PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO ROADWAYS
LANDSCAPE TYPE	B (PERIMETER 7 THRU 15)
LINEAR FEET OF PERIMETER	495 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO
NUMBER OF PLANTS REQUIRED	
SHADE TREES	9 SHADE TREES
EVERGREEN TREES	14 EVERGREEN TREES
SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED	
SHADE TREES	0 SHADE TREES
EVERGREEN TREES	14 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	18 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	0 SHRUBS

SCHEDULE D: STORMWATER MANAGEMENT AREA LANDSCAPING

LINEAR FEET OF PERIMETER	273 LF
CREDIT FOR EXISTING VEGETATION (NO, YES AND LINEAR FEET)	YES, 136 LF
CREDIT FOR OTHER LANDSCAPING (NO, YES AND %)	N/A
NUMBER OF TREES REQUIRED	
SHADE TREES	3 SHADE TREES
EVERGREEN TREES	3 EVERGREEN TREES
NUMBER OF TREES PROVIDED	
SHADE TREES	3 SHADE TREES
EVERGREEN TREES	3 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 TREES (0 SUBSTITUTION EVERGREEN TREES)

SCHEDULE B: PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	18 TOTAL (8 THIS SHEET)
NUMBER OF PLANTING ISLANDS REQUIRED	1
NUMBER OF PLANTING ISLANDS PROVIDED	4 (2 THIS SHEET)
NUMBER OF TREES REQUIRED	
SHADE TREES	1 SHADE TREE
NUMBER OF TREES PROVIDED	
SHADE TREES	1 SHADE TREE
OTHER TREES (2:1 SUBSTITUTION)	0 TREES

SCHEDULE C: RESIDENTIAL DEVELOPMENT INTERNAL LANDSCAPING

NUMBER OF DWELLING UNITS	71
NUMBER OF TREES REQUIRED (1:DU SFA & MH; 1:3 DU APTS)	71
NUMBER OF TREES PROVIDED	
SHADE TREES	71
OTHER TREES (2:1 SUBSTITUTION)	0

STREET TREE CALCULATIONS
 BLUFF POINT LANE - 2066 / 30 = 69
 WILLOW GLEN WAY - 656 / 30 = 22
 JUBILEE CIRCLE - 656 / 30 = 22
 MULBERRY GROVE DRIVE - 520 / 30 = 17
 TOTAL TREES REQUIRED = 130 SMALL TREES
 TOTAL TREES PROVIDED = 130 SMALL TREES



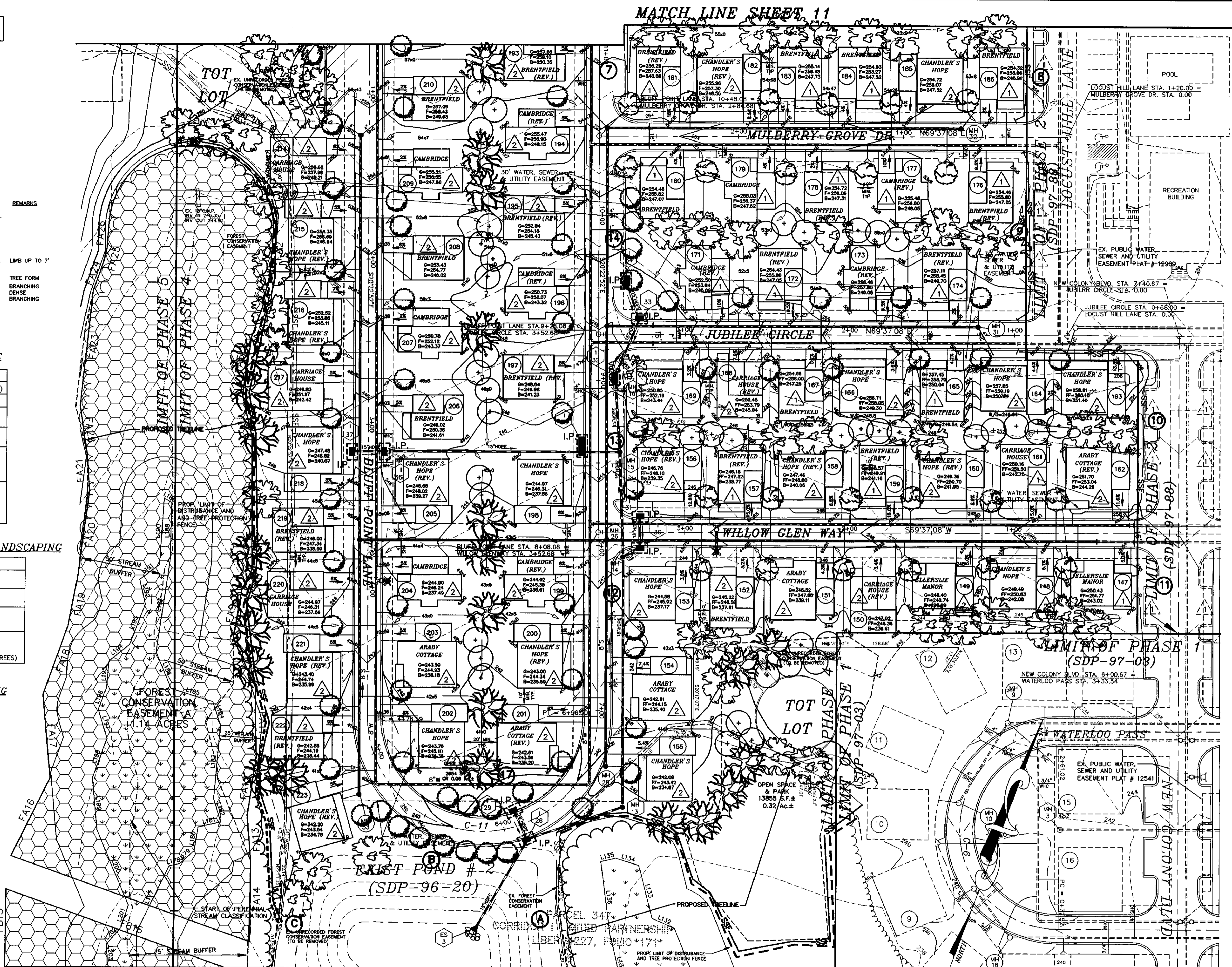
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] DATE: 12/7/00
 [Signature] DATE: 12/27/00
 [Signature] DATE: 12/27/00

OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERSTOWN, MARYLAND 21136
 (410) 526-4030

MATCH LINE SHEET - 13

NOTE: THIS SHEET SUPERSEDED PREVIOUSLY APPROVED SHEET 12 OF 18

PERIMETER	EDGE TYPE	PERIMETER	EDGE TYPE	PERIMETER	EDGE TYPE	TOTAL PLANTING OBLIGATION	EDGE TYPE
PERIMETER 7	R-MH SIDE TO ROAD - 37 LF	PERIMETER 10	R-MH SIDE TO ROAD - 70 LF	PERIMETER 13	R-MH SIDE TO ROAD - 70 LF	13	SHADE TREES
1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1	17	EVERGREEN TREES
1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	1	0	SHRUBS
PERIMETER 8	R-MH SIDE TO ROAD - 37 LF	PERIMETER 11	R-MH SIDE TO ROAD - 28 LF	PERIMETER 14	R-MH SIDE TO ROAD - 72 LF		
1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1		
1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	2		
PERIMETER 9	R-MH SIDE TO ROAD - 70 LF	PERIMETER 12	R-MH SIDE TO ROAD - 39 LF	PERIMETER 15	R-MH SIDE TO ROAD - 72 LF		
1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1	1 SHADE TREE / 50 LF	1		
1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	1	1 EVERGREEN / 40 LF	2		



date	project	scale	approval
OCT.2000	94044	MMP	RH
	illustration	MMP	
	scale	MMP	
	1"=30'		

no.	description	revisions	date

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
REVISED LANDSCAPE PLAN

MILDENBERG & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Horse Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.

NOTE : THIS PLAN IS TO BE USED ONLY FOR THE PURPOSE OF A LANDSCAPE PLAN.

NOTES:

1. NO INTERNAL LANDSCAPING OR STREET TREES ARE REQUIRED FOR THIS SHEET.
2. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
3. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$ 88,950.00.

SCHEDULE A : PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO ROADWAY
LANDSCAPE TYPE	B (PERIMETER 18)
LINEAR FEET OF PERIMETER	405.78 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES, 330.78 LF
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO
NUMBER OF PLANTS REQUIRED	
SHADE TREES	2 SHADE TREES
EVERGREEN TREES	2 EVERGREEN TREES
SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED	
SHADE TREES	2 SHADE TREES
EVERGREEN TREES	2 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 SUBSTITUTION TREES
SHRUBS (10:1 SUBSTITUTION)	0 SHRUBS

SCHEDULE D : STORMWATER MANAGEMENT AREA LANDSCAPING

LINEAR FEET OF PERIMETER	360 LF
CREDIT FOR EXISTING VEGETATION (NO, YES AND LINEAR FEET)	YES, 360 LF
CREDIT FOR OTHER LANDSCAPING (NO, YES AND %)	N/A
NUMBER OF TREES REQUIRED	
SHADE TREES	0 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES
NUMBER OF TREES PROVIDED	
SHADE TREES	0 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES
OTHER TREES (2:1 SUBSTITUTION)	0 TREES (0 SUBSTITUTION TREES)

PLANTING SCHEDULE

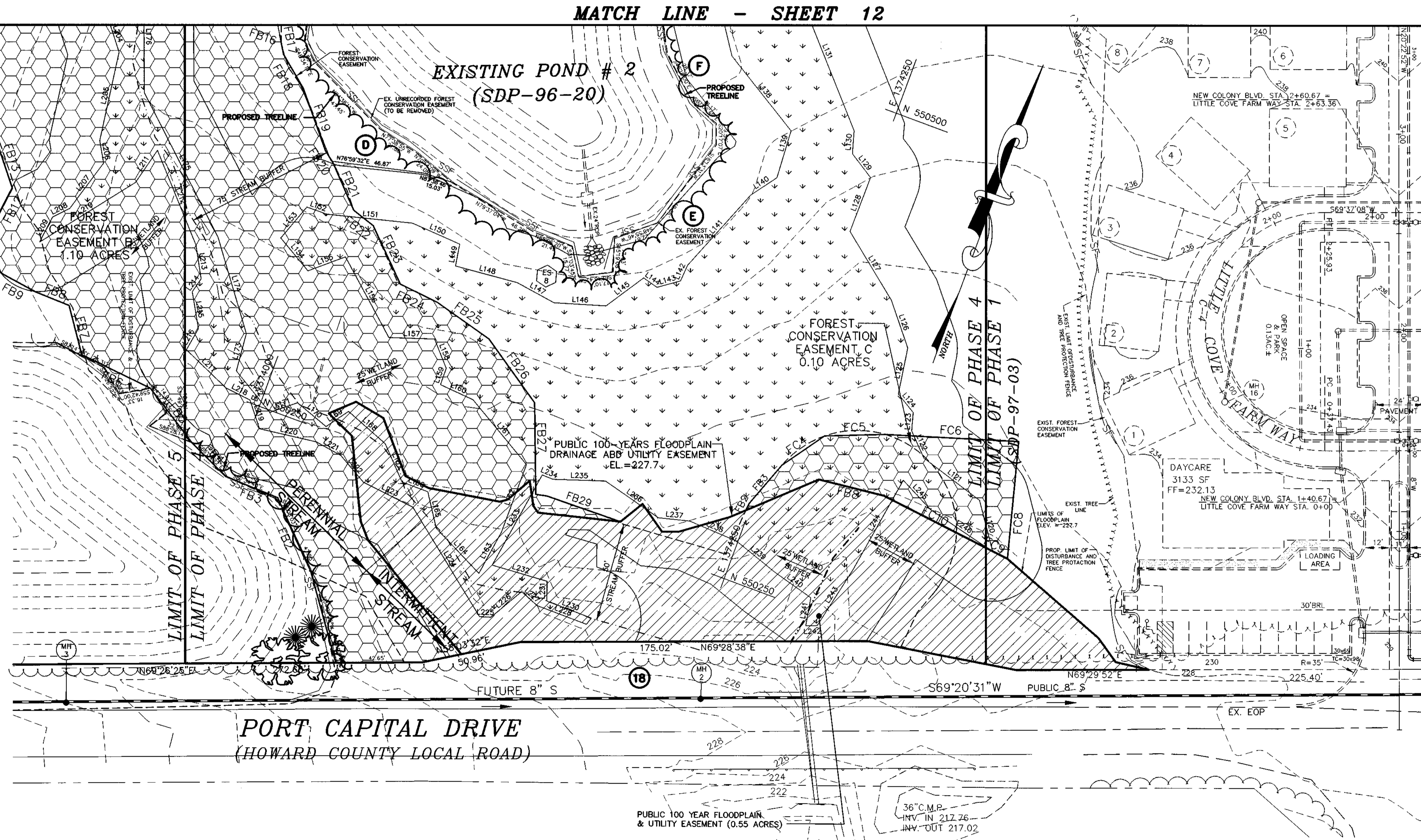
QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
2		ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.	
2		PINUS STROBUS	WHITE PINE	8' HT.	DENSE BRANCHING
TOTAL					
4 PLANTS (2 SHADE TREES, 2 EVERGREENS)					

PERIMETER	EDGE TYPE
PERIMETER 3 R-MH TO ROAD - 330.78 LF EXISTING TREES TO REMAIN	B
SWM TO ROAD - 75 LF 1 SHADE TREE / 50 LF 1 EVERGREEN / 40 LF	B
TOTAL PLANTING OBLIGATION	
SHADE TREES	2
EVERGREEN TREES	2
SHRUBS	0

SWM PERIMETER	EDGE TYPE
SWM PERIMETER D - 200 LF EXISTING TREES TO REMAIN	B
SWM PERIMETER E - 100 LF EXISTING TREES TO REMAIN	B
SWM PERIMETER F - 80 LF EXISTING TREES TO REMAIN	B
TOTAL PLANTING OBLIGATION	
SHADE TREES	0
EVERGREEN TREES	0
SHRUBS	0

LEGEND

- 2 GENERIC BOX NUMBER
- 39 UNIT NUMBER
- 3 NO OF PARKING SPACES
- WETLANDS
- PERIMETER LANDSCAPE EDGE



MATCH LINE - SHEET 12

94044 (DWG) PHASE 4 (LP-4C)

APPROVED: DEPARTMENT OF PLANNING AND ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE 7/12/00

 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH, DATE 7/11/00

 DIRECTOR, DATE 7/11/00

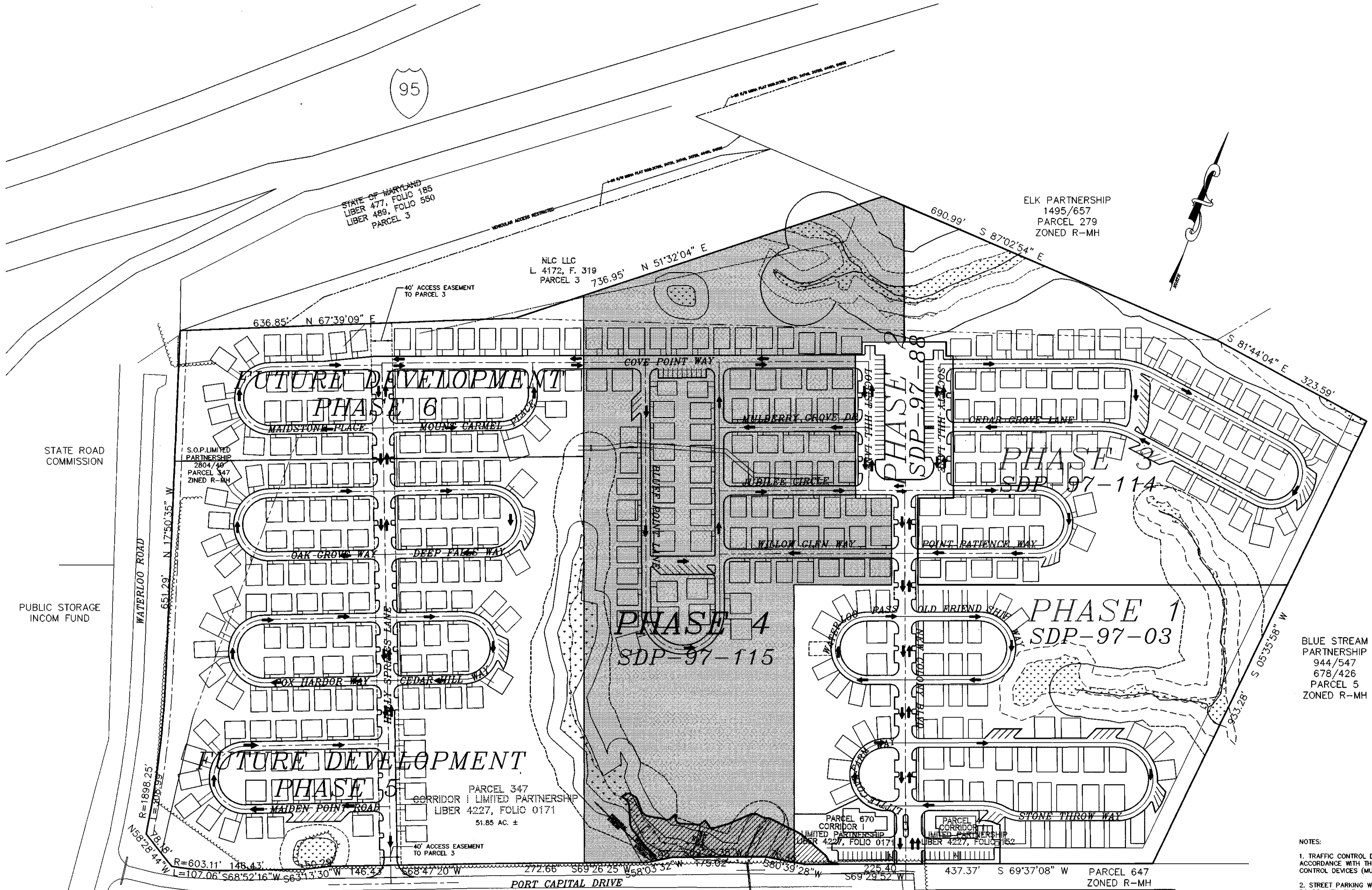
OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERTOWN, MARYLAND 21136
 (410) 526-4030

project	94044	date	MAY 2000
illustration	MMF/SJD	engineering	SID
scale	1"=30'	approval	RJH

no.	description	date

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 1ST. ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 LANDSCAPE PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0286 Fax. (301) 621-5521 Wash. (410) 997-0288 Fax.



95

STATE OF MARYLAND
LIBER 477, FOLIO 185
LIBER 489, FOLIO 550
PARCEL 3

NLC LLC
L 4172, F. 319
PARCEL 3

ELK PARTNERSHIP
1495/657
PARCEL 279
ZONED R-MH

STATE ROAD COMMISSION

PUBLIC STORAGE INCOM FUND

WATERLOO ROAD

ALLADIN VILLAGE TRAILER PARK

PORT CAPITAL CENTER
SECTION 1
678/19
ZONED M-1

BLUE STREAM PARTNERSHIP
944/547
678/426
PARCEL 5
ZONED R-MH

- NOTES:
1. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 2. STREET PARKING WILL BE ALLOWED ON ONE SIDE OF THE ROAD AT LOOP ROADS WITH ONE WAY TRAFFIC.
 3. NO PARKING WILL BE ALLOWED ON THE OUTER SIDE OF THE "ONE WAY" LOOP ROADS AND THE TURNING CURVE AT THE END OF THE LOOP. STANDARD SIGNS TO THAT EFFECT WILL BE PROVIDED.
 4. EACH "ONE WAY" LOOP ROAD WILL HAVE THE FOLLOWING SIGNS:
 - A. TWO "DO NOT ENTER" SIGN LOCATED AT THE EXIT FROM EACH LOOP FACING THE MAIN ROAD.
 - B. TWO "STOP" SIGNS LOCATED AT THE EXIST FROM EACH LOOP FACING THE INSIDE.
 - C. "NO PARKING" SIGNS ON THE OUTSIDE OF THE LOOP AND AT THE INSIDE AT THE TURNING CURVES AT THE END OF THE LOOP.
 5. TRAFFIC ENFORCEMENT AND SECURITY WILL BE PROVIDED PRIVATELY BY THE MANAGEMENT COMPANY.
 6. THE ENTRANCE GATE WILL BE MANED 24 HOURS A DAY.
 7. TWO LANE ENTRANCE IS PROVIDED AT THE GATE. RESIDENTS WILL BE ABLE TO ENTER EITHER BY USING MAGNETIC SECURITY CARDS OR WITH THE ASSISTANCE OF THE GUARD. VISITORS MUST BE CLEARED BY THE GUARD.

OWNER/DEVELOPER
RTE 175 LLC
C/O ROCK REALTY, INC.
25 MAIN STREET
REISTERTOWN, MARYLAND 21136
(410) 526-4030

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 7/17/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

[Signature] 8/1/00
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

[Signature] 8/1/00
DIRECTOR DATE



date	NOV 1999
project	94044
illustration	M.P.
scale	1"=100'
approval	J.H.

no.		description	revisions	date

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
1ST. ELECTION DISTRICT
HOWARD COUNTY, MD
TRAFFIC CIRCULATION & OVERALL MAP

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0286 Fax: (301) 621-5521 Wash. (410) 997-0288 Fax.

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

DATE: 6/9/00
 SIGNATURE OF DEVELOPER: [Signature]
 PRINTED NAME OF DEVELOPER: MARK L. LEVY, RTE 175, LLC

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

DATE: 7/5/00
 SIGNATURE: [Signature]
 USDA - NATURAL RESOURCE CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

DATE: 7/5/00
 SIGNATURE: [Signature]
 HOWARD SOIL CONSERVATION DISTRICT

BASE LINE OF RIGHT-OF-WAY (I-95)
 SHA PLAT No. 54502

STATE OF MARYLAND
 LIBER 477, FOLIO 185
 LIBER 489, FOLIO 550
 PARCEL 3

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

DATE: 6/8/00
 SIGNATURE OF ENGINEER: [Signature]
 PRINTED NAME OF ENGINEER: R. JACOB HILMAT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

DATE: 7/12/00
 SIGNATURE: [Signature]
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

DATE: 8/1/00
 SIGNATURE: [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 8/1/00
 SIGNATURE: [Signature]
 DIRECTOR

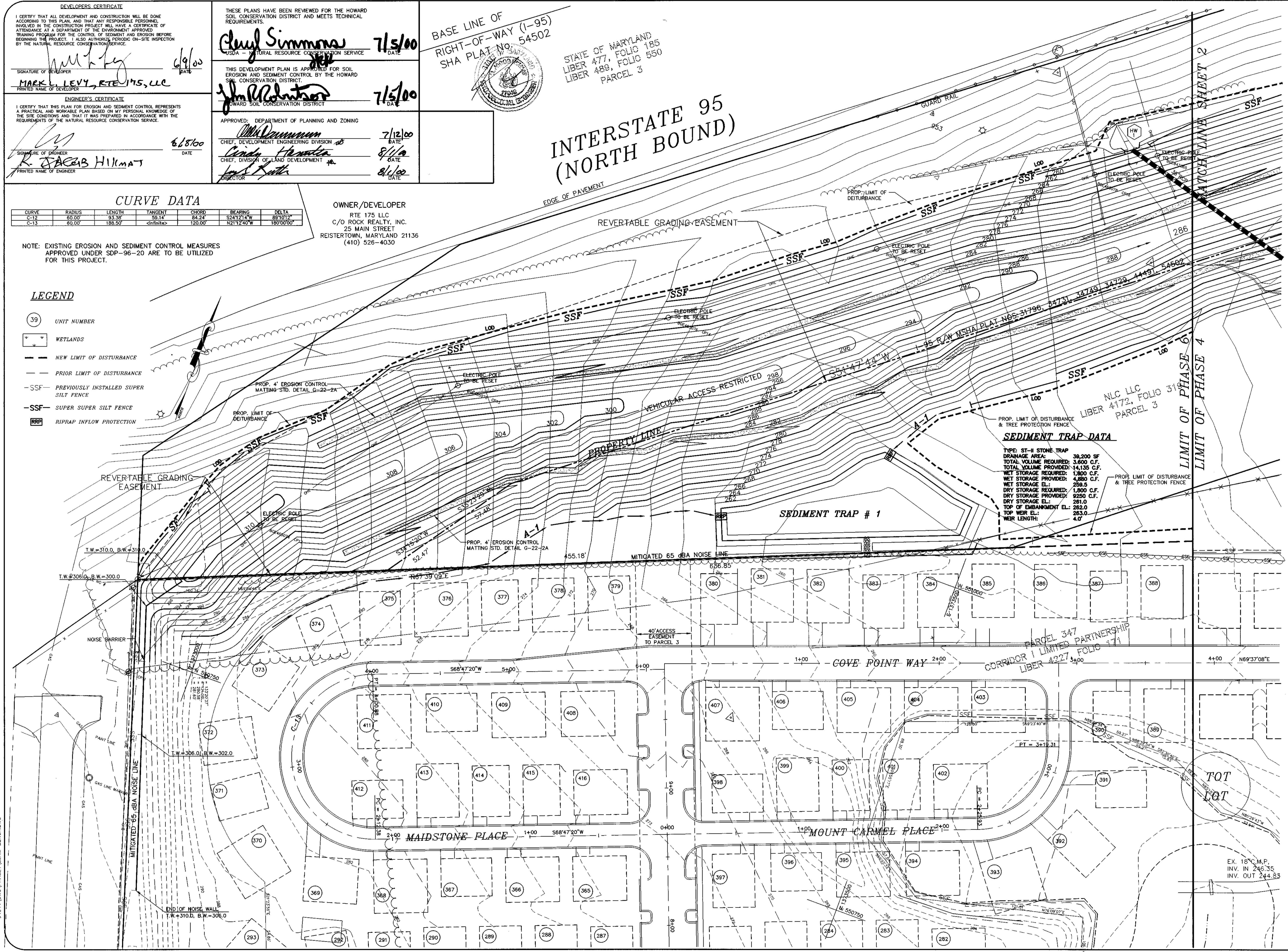
CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-12	60.00'	93.38'	59.14'	84.24'	S241°21.4'W	89°10'12"
C-13	60.00'	188.50'	infinite	120.00'	N211°24'0"W	180°00'00"

OWNER/DEVELOPER
 RTE 175 LLC
 C/O ROCK REALTY, INC.
 25 MAIN STREET
 REISTERTOWN, MARYLAND 21136
 (410) 526-4030

NOTE: EXISTING EROSION AND SEDIMENT CONTROL MEASURES APPROVED UNDER SDP-96-20 ARE TO BE UTILIZED FOR THIS PROJECT.

- LEGEND**
- (39) UNIT NUMBER
 - [Symbol] WETLANDS
 - NEW LIMIT OF DISTURBANCE
 - PRIOR LIMIT OF DISTURBANCE
 - SS- PREVIOUSLY INSTALLED SUPER SILT FENCE
 - SS- SUPER SUPER SILT FENCE
 - [Symbol] RIPRAP INFLOW PROTECTION



SEDIMENT TRAP DATA

TYPE: ST-II STONE TRAP
 DRAINAGE AREA: 36,200 SF
 TOTAL VOLUME REQUIRED: 3,600 C.F.
 TOTAL VOLUME PROVIDED: 14,135 C.F.
 WET STORAGE REQUIRED: 1,300 C.F.
 WET STORAGE PROVIDED: 4,880 C.F.
 WET STORAGE EL.: 259.5
 DRY STORAGE REQUIRED: 1,900 C.F.
 DRY STORAGE PROVIDED: 9,250 C.F.
 DRY STORAGE EL.: 281.0
 TOP OF EMBANKMENT EL.: 282.0
 TOP WEIR EL.: 283.0
 WEIR LENGTH: 4.7'

project: 94044
 date: MAY 2000
 illustration: MMP
 engineering: MMP
 approval: MMP
 scale: 1"=80'
 description: R.H.

no. []
 description: []
 revisions: []

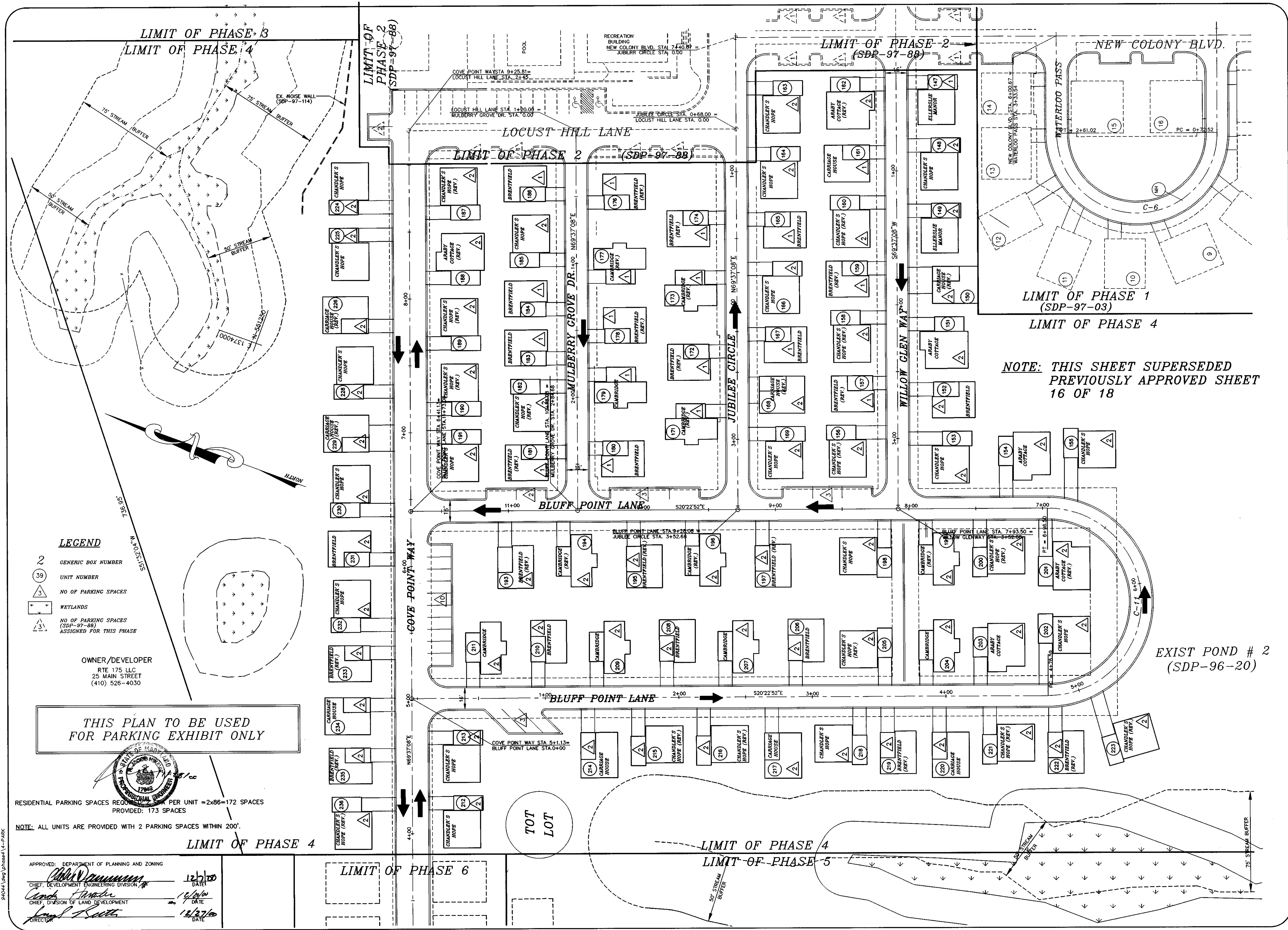
TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 NOISE BARRIER, OFF-SITE GRADING

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0286 Ext. (301) 621-5521 Wash. Fax

LIMIT OF PHASE 3
LIMIT OF PHASE 4

LIMIT OF PHASE 2
(SDP-97-88)

NEW COLONY BLVD.



LIMIT OF PHASE 1
(SDP-97-03)

LIMIT OF PHASE 4

NOTE: THIS SHEET SUPERSEDED
PREVIOUSLY APPROVED SHEET
16 OF 18

EXIST POND # 2
(SDP-96-20)

LEGEND

- GENERIC BOX NUMBER
- UNIT NUMBER
- NO OF PARKING SPACES
- WETLANDS
- NO OF PARKING SPACES ASSIGNED FOR THIS PHASE

OWNER/DEVELOPER
RTE 175 LLC
25 MAIN STREET
(410) 526-4030

THIS PLAN TO BE USED
FOR PARKING EXHIBIT ONLY



RESIDENTIAL PARKING SPACES REQUIRED PER UNIT = 2x86=172 SPACES
PROVIDED: 173 SPACES

NOTE: ALL UNITS ARE PROVIDED WITH 2 PARKING SPACES WITHIN 200'.

LIMIT OF PHASE 4

APPROVED: DEPARTMENT OF PLANNING AND ZONING

 CHIEF, DEVELOPMENT ENGINEERING DIVISION

 CHIEF, DIVISION OF LAND DEVELOPMENT

 DIRECTOR

12/27/00
DATE

12/27/00
DATE

date	OCT 2000	engineering	MMP	approval	RJH
project	94044	illustration	MMP	scale	1" = 30'

no.	description	revisions

TAX MAP 43, PARCEL 347, 67 & 4
NEW COLONY VILLAGE - PHASE 4
 HOWARD COUNTY, MARYLAND
 1ST ELECTION DISTRICT
 REVISED PARKING LAYOUT

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
 (410) 987-0296 Bldg. (301) 621-5521 Wash. (410) 987-0298 Fax

FOREST CONSERVATION DATA

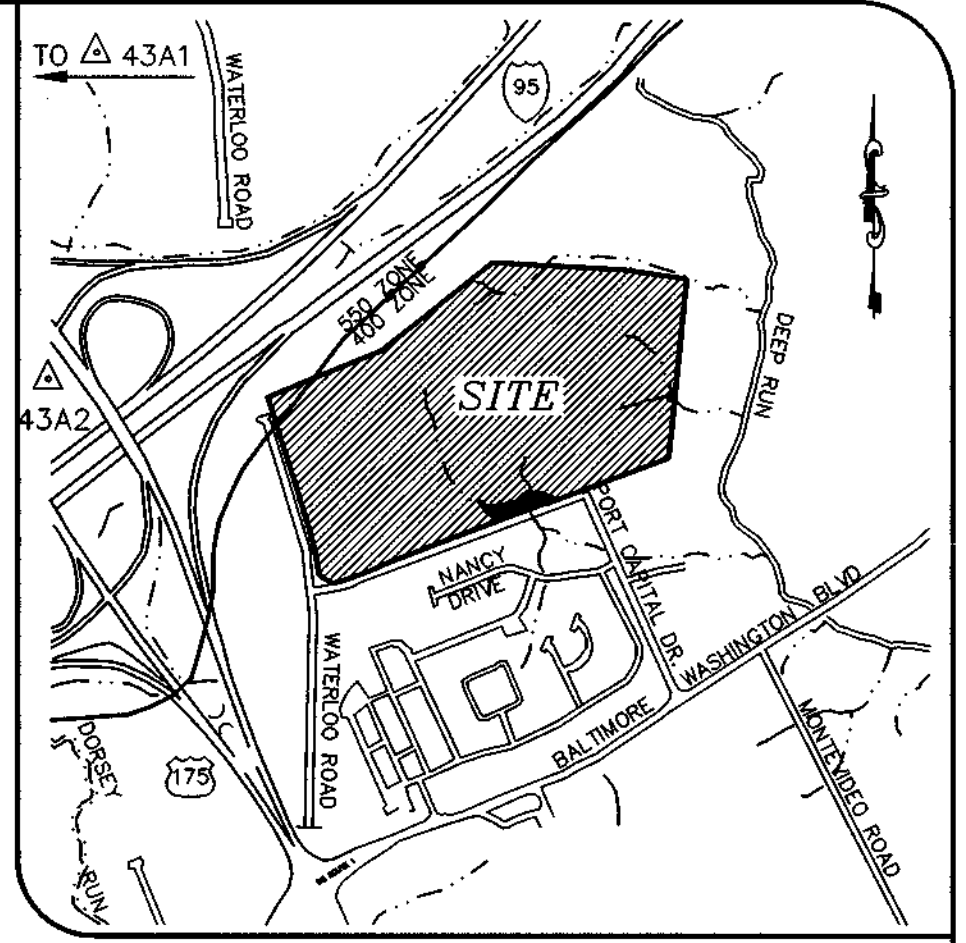
I. BASIC SITE DATA	ACRES
GROSS SITE AREA	58.52 (52.62 AC PARCELS 347, 640, & 4 & 5.90 ACRES ON PARCEL 3)
AREA WITHIN 100 YEAR FLOODPLAIN	0.55 (PARCEL 347)
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL	0.00
NET TRACT AREA	57.97
LAND USE CATEGORY	RESIDENTIAL-SUBURBAN
II. FOREST CONSERVATION WORKSHEET DATA SUMMARY	
B. REFORESTATION THRESHOLD (20%)	11.59
C. AFFORESTATION MINIMUM (15%)	8.70
D. EXISTING FOREST ON NET TRACT AREA	53.70
E. FOREST AREAS TO BE CLEARED	47.18
F. FOREST AREAS TO BE RETAINED	6.52
IV. REFORESTATION CALCULATIONS	
G. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD	42.11
H. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD	5.07
I. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD	0.00
REFORESTATION FOR CLEARING ABOVE THRESHOLD	10.53
REFORESTATION FOR CLEARING BELOW THRESHOLD	10.14
TOTAL REFORESTATION REQUIRED	20.67
TOTAL REFORESTATION REQUIRED FOR PHASE 4	6.89

NOTE:

- ALTHOUGH THERE IS GREATER ACREAGE OF RETAINED FOREST SHOWN ON THIS PLAN, FOREST CONSERVATION AREAS HAVE ONLY BEEN SHOWN WITHIN AREAS OF WETLANDS AND STREAM & WETLAND BUFFERS TO ALLOW THE FLEXIBILITY TO GRADE IN SOME AREAS AS IT BECOMES NECESSARY.
- FEE-IN-LIEU OF REFORESTATION HAS BEEN REQUESTED FOR THE AREA REQUIRED TO BE REFORESTED BY THE HOWARD COUNTY FOREST CONSERVATION MANUAL. SEE FOREST CONSERVATION CALCULATIONS THIS SHEET. PHASE 4 IS REQUIRED TO MEET THE OBLIGATIONS OF ONE-THIRD OF THE REFORESTATION REQUIREMENT. THIS REQUIREMENT WILL BE SATISFIED VIA OFF-SITE REFORESTATION ON ROSEBAR PROPERTY. PRESERVATION PARCEL A. PLEASE NOTE THAT ANY AREAS THAT ARE AVAILABLE FOR REFORESTATION ON-SITE, WILL BE UTILIZED AT A LATER DATE.
- NO FLOODPLAIN EXISTS ON PARCELS 670, 4, AND 3.
- FINANCIAL SURETY FOR THE REQUIRED FOREST CONSERVATION AND REFORESTATION FOR NEW COLONY VILLAGE, PHASE 4, HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT FOR SDP-97-115 IN THE AMOUNT OF \$118,439.64 (\$28,401.12 FOR 6.52 ACRES OF ON-SITE RETENTION ON NEW COLONY VILLAGE, PHASE 4 (SDP-97-115) AND \$90,038.52 FOR 6.89 ACRES OF OFF-SITE REFORESTATION ON ROSEBAR PROPERTY, PRESERVATION PARCEL A, PER F-00-1684F-01-11.
- FOREST CONSERVATION TABULATION:
 EASEMENT A (RETENTION) 1.14 ACRES
 EASEMENT B (RETENTION) 1.10 ACRES
 EASEMENT C (RETENTION) 0.10 ACRES
 EASEMENT D (RETENTION) 2.14 ACRES
 EASEMENT E (RETENTION) 2.04 ACRES
 TOTAL EASEMENT AREA 6.52 ACRES
- FOR TREE PROTECTIVE FENCING DETAIL, SEE SHEET 18 OF 18.

GENERAL NOTES
FOREST PROTECTION

- ALL PROTECTION DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS CEASED IN THE IMMEDIATE VICINITY.
- ATTACHMENT OF SIGNS, OR ANY OTHER OBJECTS TO TREES IS PROHIBITED. NO EQUIPMENT, MACHINERY, VEHICLES, MATERIALS OR EXCESSIVE PEDESTRIAN TRAFFIC SHALL BE ALLOWED WITHIN THE PROTECTED AREAS.
- INSTALLATION AND MAINTENANCE OF PROTECTIVE FENCING AND SIGNAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL TAKE THE UTMOST CARE TO PROTECT TREE ROOT SYSTEMS DURING ALL CONSTRUCTION ACTIVITIES. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE AND DRAINING OF MATERIALS THAT MAY BE HARMFUL TO TREES.
- THE GENERAL CONTRACTOR SHALL PREVENT PARKING OF CONSTRUCTION VEHICLES AND EQUIPMENT, AND THE STORING OF BUILDING SUPPLIES OR STOCKPILING OF EARTH WITHIN FOREST CONSERVATION EASEMENTS.
- REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL BE PROHIBITED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREES DAMAGED OR DESTROYED WITHIN THE FOREST CONSERVATION EASEMENTS. ROOT PRUNING SHALL BE USED AT THE LIMIT OF DISTURBANCE OR LIMIT OF GRADING WITHIN AND ADJACENT TO ALL FORESTED AREAS. PLEASE REFER TO ROOT PRUNING DETAIL THIS SHEET.

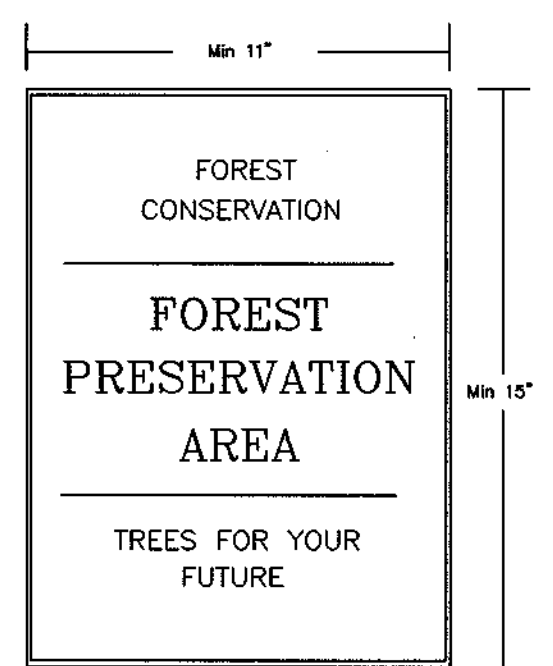
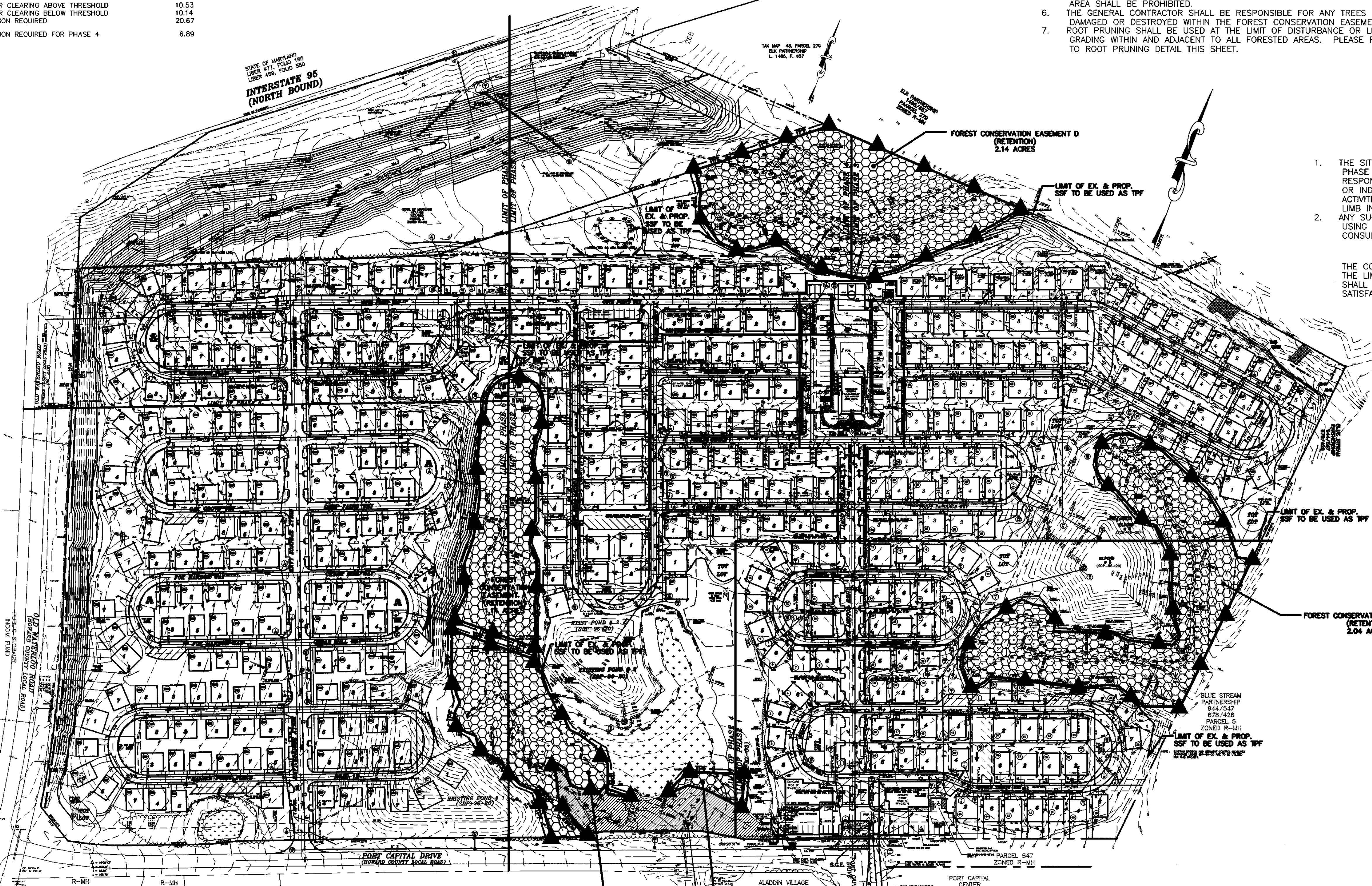


CONSTRUCTION MONITORING

- THE SITE SHALL BE INSPECTED PERIODICALLY DURING THE CONSTRUCTION PHASE OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED FOREST AREAS OR INDIVIDUAL TREES WHICH MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES, SUCH AS SOIL COMPACTION, ROOT INJURY, TRUNK WOUNDS, LIMB INJURY, OR STRESS CAUSED BY FLOODING OR DROUGHT CONDITIONS. ANY SUCH DAMAGE THAT MAY OCCUR SHALL BE REMEDIATED IMMEDIATELY USING APPROPRIATE MEASURES. SEVERE PROBLEMS MAY REQUIRE CONSULTATION WITH A PROFESSIONAL ARBORIST.

LIMITS OF WORK

THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.



NOTE: SIGNS ARE PERMANENT AND TO BE MOUNTED ON DURABLE POSTS OR POLES (4"x4" PRESSURE TREATED LUMBER OR 2 1/2" DIAMETER GALVANIZED OR ALUMINUM POST, OR EQUIVALENT).

SIGNAGE DETAIL
NOT TO SCALE

QUALIFIED PROFESSIONAL
Stephanie Demchik 6/15/20
STEPHANIE DEMCHIK

- LEGEND**
- 2 GENERIC BOX NUMBER
 - 39 UNIT NUMBER
 - WETLANDS
 - DENOTES FOREST CONSERVATION AREAS
 - DENOTES FOREST PRESERVATION SIGNAGE
 - TPF DENOTES TREE PROTECTIVE FENCING (FOR DETAIL SEE SHEET 18 OF 18)

NOTE: THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PURPOSES ONLY.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 7/1/20 DATE
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature] 8/1/20 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT

[Signature] 8/1/20 DATE
DIRECTOR

Project	94044
date	MAR 2000
illustration	engineering
SD/MP	SD
scale	1"=100'
approval	RH

no.	date	description	revisions

TAX MAP 43, PARCEL 347, 67 & 4
NEW COLONY VILLAGE - PHASE 4
1ST ELECTION DISTRICT HOWARD COUNTY, MD
FOREST CONSERVATION PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsy Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 987-0298 Fax (301) 821-5521 Wash. (410) 987-0298 Fax

OFF-SITE FOREST CONSERVATION EASEMENT AREAS

TOTAL EASEMENT AVAILABLE FOR PLANTING: 8.87 ACRES?

PROJECT	EASEMENT AREA PROVIDED	REMAINING EASEMENT AREA	FINAL PLAN #
NORRIS PROPERTY	0.77 AC±	8.10 AC±	F-12-047
TURLEY'S MEBOW	1.36 AC±	6.74 AC±	F-13-084
MONTGOMERY CROSBY PH.2	1.08 AC±	5.66 AC±	F-14-029
TURLEY'S OVERLOOK	0.52 AC±	5.14 AC±	F-14-019
BENEL HUNTER, INC.	0.81 AC±	4.33 AC±	SP-14-042
BULLHEAD OVERLOOK	0.71 AC±	3.63 AC±	F-11-039
PINE GROVE ADDITION LOTS 1-6	0.21 AC±	3.42 AC±	F-15-036
WILSON VILLAGE	0.85 AC±	2.57 AC±	SP-14-021
FOR WOOD PARCEL LOTS 1-3	1.55 AC±	1.02 AC±	F-15-053
HAUGHAN PROP.	0.21 AC±	0.81 AC±	F-14-023

NOTE: THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PURPOSES ONLY.

NOTE: - NO 15% TO 25% SLOPES OR SLOPES GREATER THAN 25% EXIST ON-SITE.
- THE EXISTING 1.98 ACRES AFFORESTATION IS TO SATISFY THE ON-SITE REQUIREMENTS FOR F-99-19, ROSEBAR PROPERTY.

AFFORESTATION PLANT LIST

QTY.	SPECIES	SHADE TOL.	MOIST. REGIME	WET. STATUS	MIN. O.C. SPACING	SIZE & REMARKS
356	Acer rubrum Red Maple	VT	D-W	FAC	11'	CONT./BARE ROOT 3' - 5' HT. *
330	Nyssa sylvatica Black Gum	T	M-W	FAC	11'	CONT./BARE ROOT 3' - 5' HT. *
330	Prunus serotina Black Cherry	I	M-W	FAC+	11'	CONT./BARE ROOT 3' - 5' HT. *
355	Quercus alba White Oak	I	M-W	FAC+	11'	CONT./BARE ROOT 3' - 5' HT. *
355	Quercus rubra Red Oak	MT	D-M	UPL	11'	CONT./BARE ROOT 3' - 5' HT. *
356	Quercus velutina Black Oak	MT	M	FAC+	11'	CONT./BARE ROOT 3' - 5' HT. *
330	Sassafras albidum Common Sassafras	MT	D-M	FACU	11'	CONT./BARE ROOT 3' - 5' HT. *

TOTAL 2412 TREES

* NOTE: SEEDLINGS CAN BE USED IN PLACE OF THE 3' - 5' TREES, IN ORDER TO DETERMINE THE NUMBER OF SEEDLINGS REQUIRED, MULTIPLY THE QUANTITY LISTED BY 2. ALSO, MINIMUM ON-CENTER SPACING SHOULD BE REDUCED TO 8'.

NOTE: IF CONSTRUCTION SHOULD TAKE PLACE ON LOT 14, 15, 16, 18, 19, OR 20 AFTER THE AFFORESTATION AREA HAS BEEN INSTALLED, PROTECTIVE FENCING SHALL BE INSTALLED AT THE COMMON PROPERTY LINE WITH THE PRESERVATION PARCEL.

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST CONSERVATION EASEMENT EXCEPT AS PERMITTED BY THE HOWARD COUNTY FOREST CONSERVATION PROGRAM.

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, SOIL COMPACTION, OR EXCAVATION, INTRODUCTION OF TOXIC CHEMICALS OR OTHER DISTURBANCES DETRIMENTAL TO THE LIVE SPECIMEN TREES OR CRITICAL ROOT ZONES FOR THESE TREES EXCEPT AS PERMITTED BY THE HOWARD COUNTY FOREST CONSERVATION PROGRAM.

PLANTING SPECIFICATIONS AND NOTES

- IF NECESSARY, PROTECTIVE FENCING IS TO BE INSTALLED AS A FIRST ORDER OF BUSINESS PER PLANT LOCATIONS. PROTECTIVE FENCING WILL NOT BE NECESSARY ALONG THOSE PERIMETERS WHERE SILT FENCE HAS BEEN INSTALLED FOR SEDIMENT CONTROL.
- DISTURBANCE OF SOILS SHOULD BE LIMITED TO THE PLANTING FIELD FOR EACH PLANT.
- SOIL MIX FOR ALL PLANTS EXCEPT ERICACEOUS MATERIAL: SOIL MIX SHALL CONSIST OF EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME OF COMPOSTED SLUDGE. SOIL MIX FOR ERICACEOUS MATERIAL: SOIL MIX SHALL CONSIST OF EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME PEAT MOSS.
- ALL MIXING IN 3 AND 4 SHALL BE LIMITED TO CONTAINER GROWN OR BALL AND BURLAP STOCK ONLY AND CONFINED TO THE PLANTING FIELD AND IMMEDIATE ADJACENT SOIL SURFACE AREA AND SHALL BE DONE TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.

PLANT STORAGE AND INSPECTION

- FOR CONTAINER GROWN NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN 2 WEEKS AFTER DELIVERY TO THE SITE.
- FOR BALL AND BURLAP NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN THREE DAYS AFTER DELIVERY TO THE SITE.
- PLANTING STOCK SHOULD BE INSPECTED PRIOR TO PLANTING. PLANTS NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR SIZE, FORM, VIGOR, ROOTS, TRUNK WOUNDS, INSECTS AND DISEASE SHOULD BE REPLACED.
- UNTIL PLANTED, ALL PLANT STOCK SHALL BE KEPT IN A SHADED, COOL, AND MOISTENED ENVIRONMENT.

MAINTENANCE SCHEDULE

- ANNUAL MAINTENANCE DURING THE GROWING SEASON, FOR A MINIMUM OF TWO (2) YEAR PERIOD.
- INSPECT PLANTED STOCK FOR MORTALITY. REMOVE AND REPLACE ANY DEAD OR DISEASED PLANTINGS.
- EXPECT VOLUNTEER SEEDING OF NATIVE, LOCAL AND ENDEMIC VEGETATION TO OCCUR. DO NOT DISCOURAGE THIS GROWTH UNLESS IT NEGATIVELY AFFECTS THE PLANTED STOCK.
- MANUALLY REMOVE AGGRESSIVE, NOXIOUS, INVASIVE SPECIES AND ALL HERBACEOUS VEGETATION WITHIN A 3-FOOT RADIUS SURROUNDING THE PLANTED WOODY NURSERY STOCK.
- REMOVE AND DISPOSE OF ANY MAN-MADE TRASH, INCLUDING ITEMS CONTAINED WITHIN THE PLANTING AREA. DO NOT REMOVE DOWN AND DEAD MATERIAL NATURALLY OCCURRING OR ACCUMULATING, UNLESS IT IS SMOTHERING PLANTING STOCK OR INTERFERES WITH THE REFORESTATION PLANTING.
- A 75 PERCENT SURVIVAL OF PLANTED STOCK MUST BE ACHIEVED AT THE END OF THE 24 MONTH MANAGEMENT PERIOD. IF NOT, ADDITIONAL PLANTINGS WILL BE REQUIRED TO BRING THE PLANTED STOCK SURVIVAL RATE UP TO 75%.

SUPERVISION

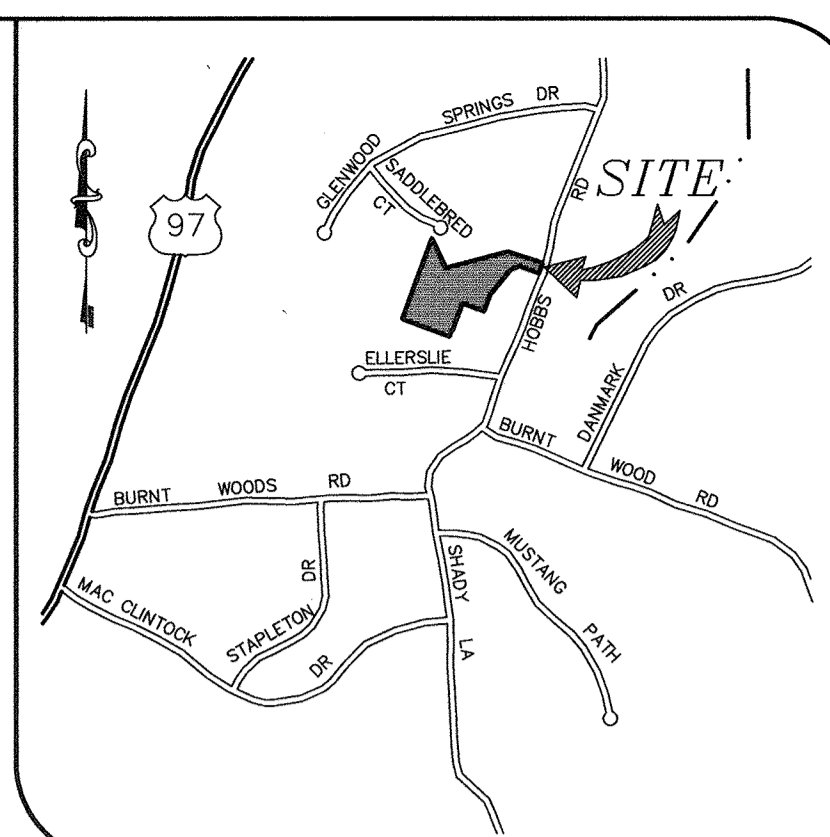
ALL FOREST CONSERVATION ACTIVITIES SHALL BE DONE UNDER THE DIRECT SUPERVISION OF SOMEONE FROM THE DESIGN TEAM OR OTHER "QUALIFIED PROFESSIONAL" AS DETERMINED BY THE REQUIREMENTS OF COMAR 08.18.06.01 AND THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, PUBLIC LANDS AND FORESTRY DIVISION.

SOILS DESCRIPTIONS:

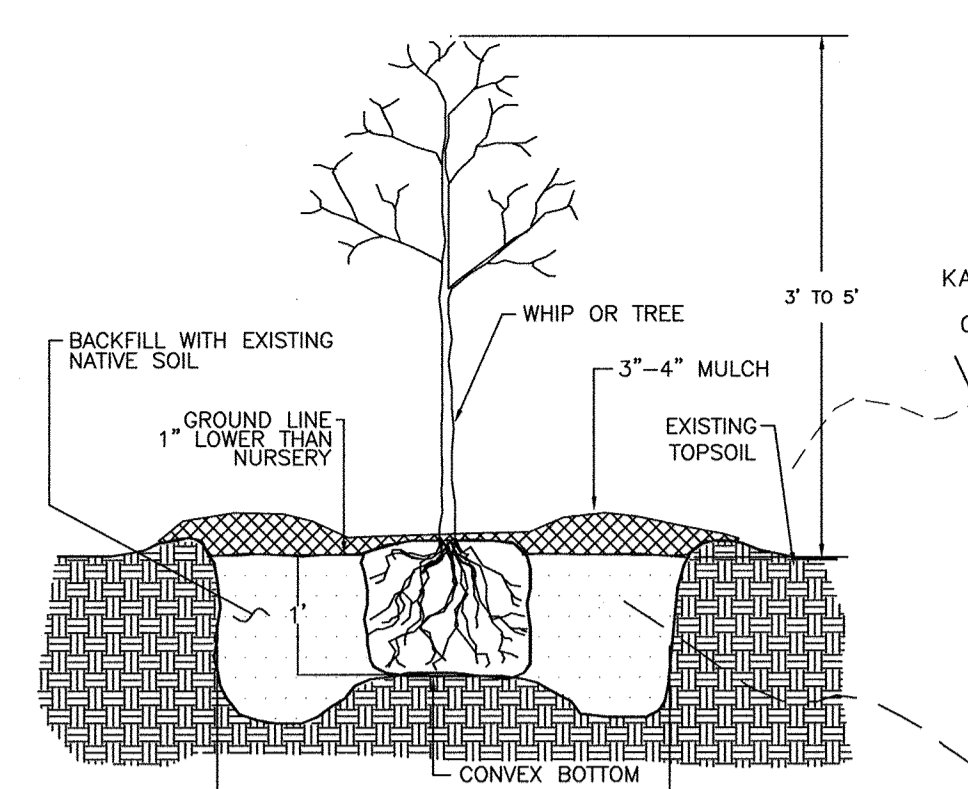
SYMBOL	DESCRIPTION
CgC2	CHESTER GRAVELLY SILT LOAM, 8% TO 15% SLOPES, MODERATELY ERODED --- TYPE B
ChA	CHESTER SILT LOAM, 0% TO 3% SLOPES --- TYPE B
ChB2	CHESTER SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED --- TYPE B
GnA	GLENVILLE SILT LOAM, 0% TO 3% SLOPES --- TYPE C

MD DNR QUALIFIED PROFESSIONAL

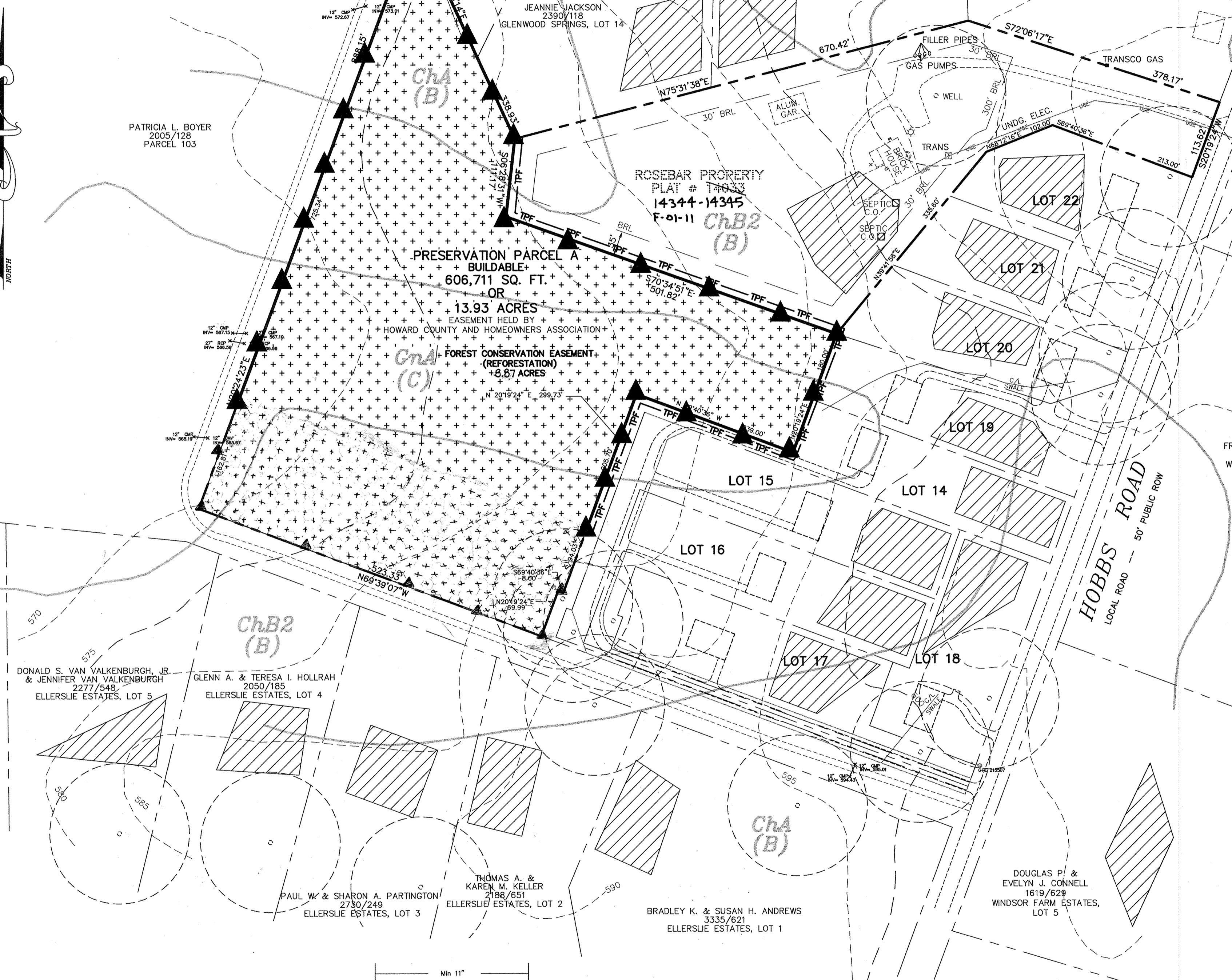
Stephanie Demchik 5/16/00
STEPHANIE DEMCHIK



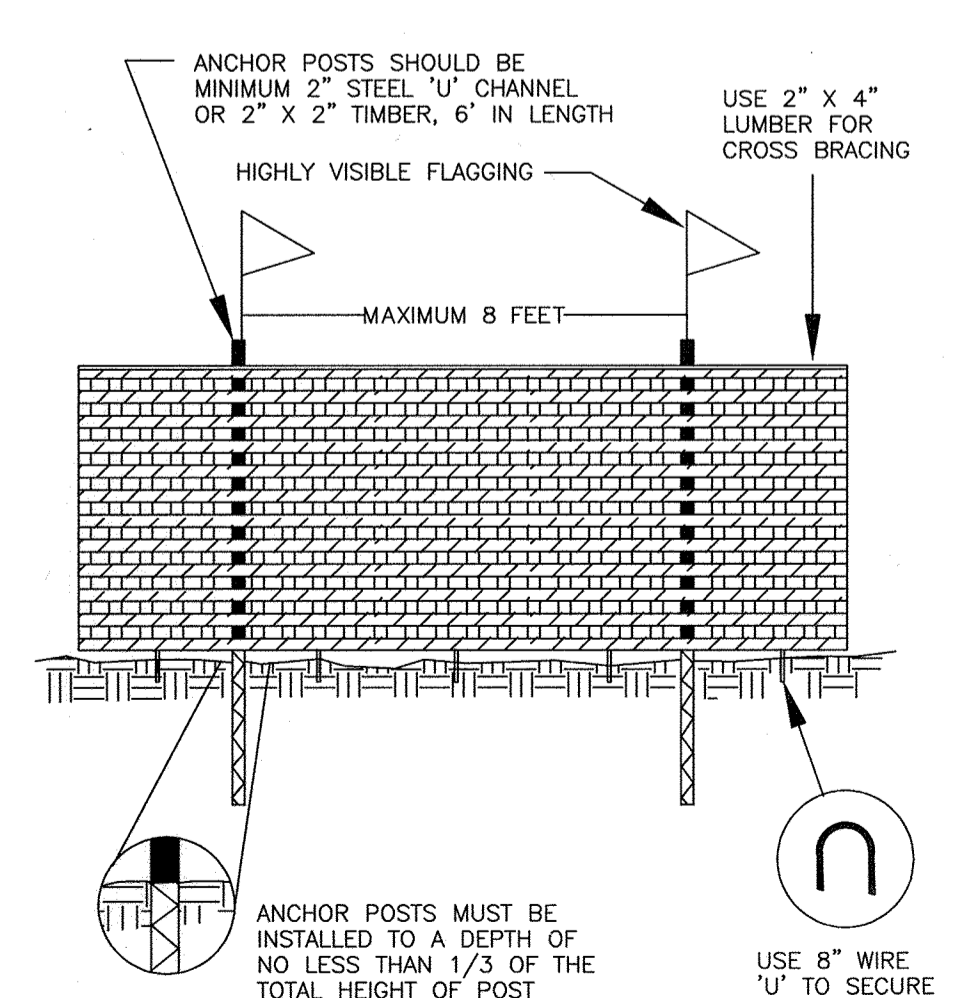
VICINITY MAP
SCALE: 1" = 200'



TREE PLANTING DETAIL
CONTAINER GROWN



PROTECTIVE FENCE DETAIL
BLAZE ORANGE PLASTIC MESH

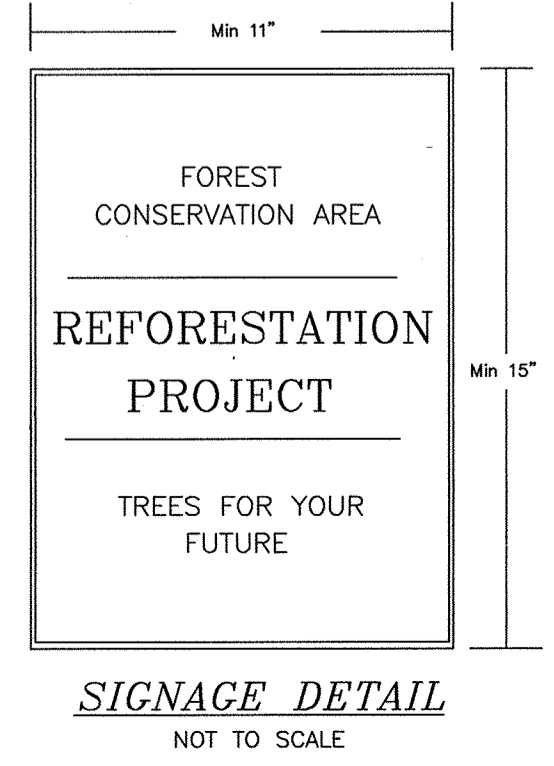


- NOTE:
- FOREST PROTECTION DEVICE ONLY.
 - RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
 - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICE.
 - ROOT DAMAGE SHOULD BE AVOIDED.
 - PROTECTIVE SIGNAGE MAY ALSO BE USED.
 - DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION.

LEGEND

[Hatched Box]	EXISTING SEPTIC EASEMENT
[Dotted Box]	PROPOSED 24' USE-IN-COMMON DRIVEWAY EASEMENT
[Cross-hatched Box]	EX-FOREST CONSERVATION EASEMENT
[Star Pattern]	FOREST CONSERVATION EASEMENT (REFORESTATION)
[Circle with 'X']	EXISTING WELL (DUG PER PERC PLAT SIGNED BY HOWARD COUNTY HEALTH OFFICER OR 7/1/99)
[Triangle]	FOREST CONSERVATION SIGNAGE
[Line with 'T']	TREE PROTECTIVE FENCING

NOTE: SIGNS ARE PERMANENT AND TO BE MOUNTED ON DURABLE POSTS OR POLES (4"x4" PRESSURE TREATED LUMBER OR 2 1/2" DIAMETER GALVANIZED OR ALUMINUM POST, OR EQUIVALENT).



SIGNAGE DETAIL
NOT TO SCALE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Chris Hamilton 7/12/00
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Cindy Hamada 8/1/00
CHIEF, DIVISION OF LAND DEVELOPMENT

Paul Smith 8/1/00
DIRECTOR

Project	Date	Scale	Revision
96087	MAR 2000	1" = 100'	1
Illustration	Engineering	SJD	Approval
		5/1/00	2
		C	1

ADD DRAWING PER TO FCC CHART
1
ADD FOREST CONSERVATION PLANTING TABLE
description
revisions

NEW COLONY VILLAGE - PHASE 4
FOREST CONSERVATION EASEMENT GRANTED FROM
ROSEBAR PROPERTY, PRESERVATION PARCEL A
TAX MAP 14 - BLOCK 23
PARCEL 221
FOURTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
OFF-SITE REFORESTATION PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
(410) 997-0296 Fax (301) 621-5521 Wash.

OWNERS
ROSEBAR LIMITED PARTNERSHIP, L.L.P. (LOTS 10 THRU 12) &
ROBERT WAYNE NEWSOME AND MELISSA NEWSOME (LOT 13)
P.O. BOX 39
COLUMBIA, MARYLAND 21045
(410) 792-2100

MATCH LINE SHEET 2

NOTE: UNITS: 214-223 WILL HAVE DRYWELLS
SEE DETAIL ON SHEET 10 OF 18.

LEGEND

- 2 GENERIC BOX NUMBER
- 39 UNIT NUMBER
- 3 NO OF PARKING SPACES
- 3 NO OF PARKING SPACES ASSIGNED FOR THIS PHASE
- WETLANDS
- NEW LIMIT OF DISTURBANCE
- PRIOR LIMIT OF DISTURBANCE
- SS-F PREVIOUSLY INSTALLED SUPER SILT FENCE
- SS-F SUPER SUPER SILT FENCE
- I.P. INLET PROTECTION

NOTE: EXISTING EROSION AND SEDIMENT CONTROL MEASURES APPROVED UNDER SDP-96-20 ARE TO BE UTILIZED FOR THIS PROJECT.

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *Mark L. Levy* DATE: 11/28/00
PRINTED NAME OF DEVELOPER: MARK L. LEVY

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *R. Jacob Hixmatt* DATE: 11/28/00
PRINTED NAME OF ENGINEER: R. JACOB HIXMATT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *J. H. Wanfield* DATE: 12-1-00
DA - NATURAL RESOURCE CONSERVATION SERVICE

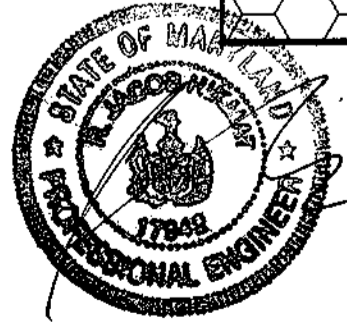
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: *John R. Robertson* DATE: 12-1-00
HOWARD SOIL CONSERVATION DISTRICT

APPROVED, DEPARTMENT OF PLANNING AND ZONING

Signature: *John P. ...* DATE: 12/7/00
Signature: *...* DATE: 12/26/00
Signature: *...* DATE: 12/27/00

OWNER/DEVELOPER
RTE 175 LLC
C/O ROCK REALTY, INC.
25 MAIN STREET
REISTERTOWN, MARYLAND 21136
(410) 526-4030



MATCH LINE SHEET - 4

NOTE: THIS SHEET SUPERSEDED PREVIOUSLY APPROVED SHEET 3 OF 18

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C-11	70.00	219.31	Δ=172.2	140.00	S69.37.08°W	180.000°

project	94044	date	OCT. 2000
illustration	MMP	engineering	MMP
scale	1"=30'	approval	RH

revision	1	description	REVISED GRADING AND SITE PLAN
revision	2	description	REVISED GRADING AND SITE PLAN
revision	3	description	REVISED GRADING AND SITE PLAN
revision	4	description	REVISED GRADING AND SITE PLAN
revision	5	description	REVISED GRADING AND SITE PLAN
revision	6	description	REVISED GRADING AND SITE PLAN
revision	7	description	REVISED GRADING AND SITE PLAN
revision	8	description	REVISED GRADING AND SITE PLAN
revision	9	description	REVISED GRADING AND SITE PLAN
revision	10	description	REVISED GRADING AND SITE PLAN
revision	11	description	REVISED GRADING AND SITE PLAN
revision	12	description	REVISED GRADING AND SITE PLAN
revision	13	description	REVISED GRADING AND SITE PLAN
revision	14	description	REVISED GRADING AND SITE PLAN
revision	15	description	REVISED GRADING AND SITE PLAN
revision	16	description	REVISED GRADING AND SITE PLAN
revision	17	description	REVISED GRADING AND SITE PLAN
revision	18	description	REVISED GRADING AND SITE PLAN
revision	19	description	REVISED GRADING AND SITE PLAN
revision	20	description	REVISED GRADING AND SITE PLAN

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND
REVISED GRADING AND SITE PLAN

MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
(410) 997-0236 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax

ULTRA-FLOW PIPE REFERENCE SPECIFICATIONS

MATERIAL	ALUMINIZED STEEL Type 2	AASHTM M274
PIPE	STEEL	ASTM A760
DESIGN	STEEL	ASTM A796
INSTALLATION	STEEL	ASTM A798

NOTE: USE 14 GAUGE ULTRA FLOW PIPES UNLESS OTHERWISE NOTED.

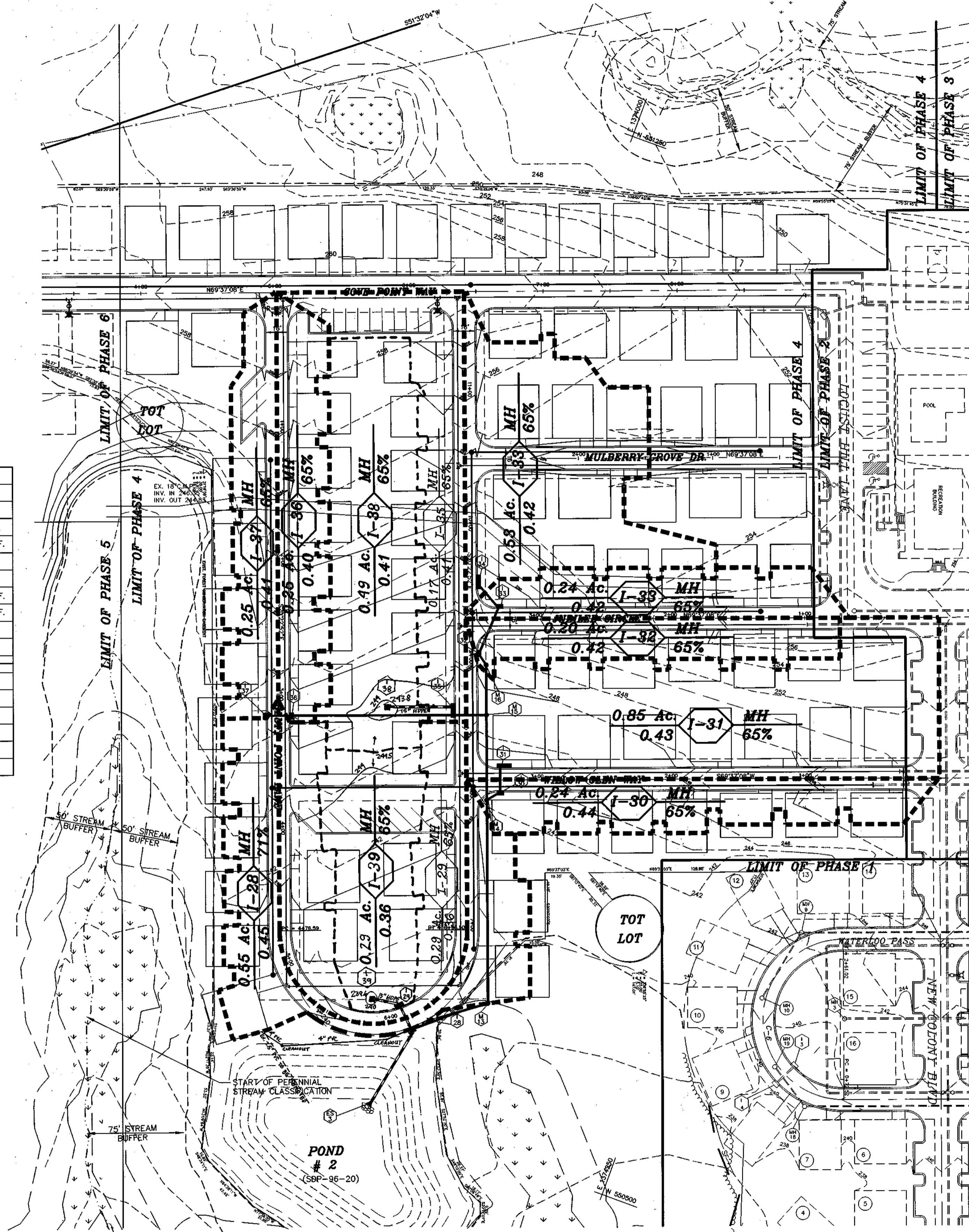
STRUCTURE SCHEDULE

NO.	LOCATION	TOP	INV. IN	INV. OUT	C
I-28	BLUFF POINT LANE - STA 6+09.83 8' OFFSET RIGHT	240.19	238.71 233.39	233.29	INLET TYPE A-5 (HO. CO. STD SD 4.01) - SUMP
I-29	BLUFF POINT LANE - STA 6+09.83 8' OFFSET LEFT	240.19	---	236.91	INLET TYPE A-5 (HO. CO. STD SD 4.01) - SUMP
I-30	WILLOW GLEN WAY - STA 3+29.67 8' OFFSET LEFT	243.38	239.46	239.36	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 100% EFF.
I-31	WILLOW GLEN WAY - STA 3+29.67 8' OFFSET RIGHT	243.38	---	239.66	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-32	BLUFF POINT LANE - STA 9+00.00 8' OFFSET RIGHT	246.86	243.80	243.70	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 97% EFF.
I-33	JUBILEE CIRCLE - STA 3+29.69 8' OFFSET RIGHT	248.22	245.46	245.36	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 96% EFF.
I-34	BLUFF POINT LANE - STA 9+98.91 8' OFFSET RIGHT	251.26	---	245.68	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-35	BLUFF POINT LANE - STA 8+54.78 8' OFFSET LEFT	244.95	241.30	241.20	INLET TYPE A-10 (HO. CO. STD SD 4.01) - 100% EFF.
I-36	BLUFF POINT LANE - STA 3+19.01 8' OFFSET LEFT	246.89	243.80	243.70	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 99% EFF.
I-37	BLUFF POINT LANE - STA 3+19.01 8' OFFSET RIGHT	246.89	---	244.00	INLET TYPE A-5 (HO. CO. STD SD 4.01) - 99% EFF.
I-38	BLUFF POINT LANE - STA 0+62.50 59.75' OFFSET LEFT	243.80	---	241.57	INLET TYPE 5 (HO. CO. STD SD 4.25)
I-39	BLUFF POINT LANE - STA 5+84.00 18.50' OFFSET LEFT	238.60	---	237.13	INLET TYPE 5 (HO. CO. STD SD 4.25)
M-13	BLUFF POINT LANE - STA 6+56.24 31.49' OFFSET RIGHT	238.71	234.00	233.90	MANHOLE (HO. CO. STD G 5.01)
M-14	WILLOW GLEN WAY - STA 7+93.08 15' OFFSET RIGHT	242.09	238.84 238.91	238.56	MANHOLE (HO. CO. STD G 5.01)
M-15	BLUFF POINT LANE - STA 8+56.63 15.17' OFFSET RIGHT	244.34	241.49 240.90	240.80	MANHOLE (HO. CO. STD G 5.01)
M-16	BLUFF POINT LANE - STA 8+94.09 15.17' OFFSET RIGHT	246.57	243.30	243.20	MANHOLE (HO. CO. STD G 5.01)
ES-6	BLUFF POINT LANE - STA 5+85.88 57.44' OFFSET RIGHT	---	---	230.34	18" # END SECTION (HO. CO. STD. SD 5.61)

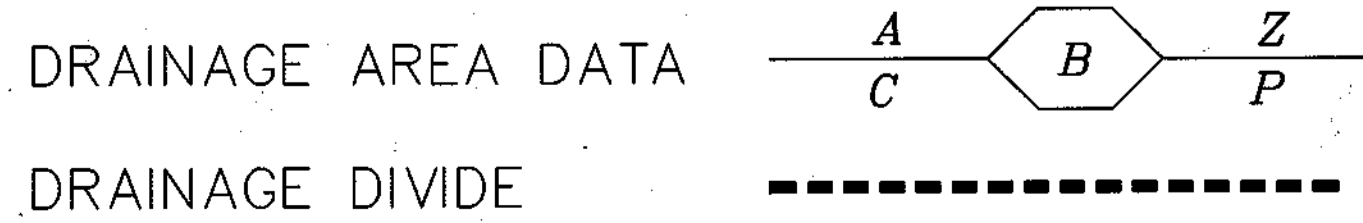
- NOTE: 1. ALL ELEVATIONS MEASURED TO CENTER OF SUMP INLETS AND MANHOLES AND TO DOWNSTREAM SIDE OF INLETS ON GRADE.
 2. PROVIDE 5' TRANSITION FROM HOWARD COUNTY STD. R-301 MODIFIED CURB AND GUTTER TO TOP OF SLAB AT ALL INLETS.
 3. FOR INLETS, TOP ELEVATION REFERS TO TOP OF CURB ELEVATION



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 7/12/00
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 8/1/00
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 8/1/00
 DIRECTOR



LEGEND:



project	94044	date	MAY 2000
illustration	IS	engineering	IS
scale	1"=50'	approval	RH

no.	1	date	12/1/03
description	REVISE TO BE TO THE STRUCTURE SCHEDULE, SHOW DRAINAGE AREAS FOR INLETS 28 AND 29 IN PLAN, CORRECT ALIGNMENT OF INLETS 28 AND 29, AND SHOW PIPES FROM INLET 23 TO I-28		
revisions			

TAX MAP 43, PARCEL 347, 670 & 4
NEW COLONY VILLAGE - PHASE 4
 HOWARD COUNTY, MARYLAND
 1ST ELECTION DISTRICT
 DRAINAGE AREA MAP

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042
 (410) 997-0236 Ext. (301) 621-5521 Wash. (410) 997-0996 Fax